

# **Asia Pacific Gene Expression Analysis Market Size study, by Technology (Polymerase Chain Reaction (PCR), Next Generation Sequencing (NGS), Microarrays, Others), by Product Type (Instruments, Reagents and Consumables, Services), by End-user (Drug Discovery & Development, Diagnostic Laboratories, Academic Research Centers) and Country Forecasts 2022-2032**

<https://marketpublishers.com/r/AC8E3145083EEN.html>

Date: May 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: AC8E3145083EEN

## **Abstracts**

Asia Pacific Gene Expression Analysis Market is valued at approximately USD 880 million in 2023 and is anticipated to grow with a healthy growth rate of more than 8.93% over the forecast period 2024-2032. Gene expression analysis is the study of the activity of genes in a cell or tissue at a given moment. It involves measuring the levels of messenger RNA (mRNA) produced from each gene, as mRNA is the intermediate molecule between DNA and protein synthesis. This process provides insights into which genes are being actively transcribed and can give clues about the functional state of cells or tissues under different conditions. Moreover, the key trend of Gene Expression Analysis Market is growing investment in life science sectors for R&D. Countries such as China, India, Japan, and South Korea are investing heavily in research and development (R&D) in the life sciences sector. This includes genomics research, which fuels the demand for Gene Expression Analysis Market.

The Asia Pacific region is experiencing rapid growth in its biotechnology and pharmaceutical sectors. Companies in these industries are increasingly incorporating gene expression analysis into their drug discovery, development, and clinical trials processes. This growing industry demand is fueling the adoption of gene expression

analysis technologies and services. Additionally, other factors support the market growth of Gene Expression Analysis Market in Asia Pacific are the increasing prevalence of chronic diseases, cohesive government initiatives and funding support, rising adoption of personalized medicine, increasing investments in life sciences research, and continuous advancements in gene expression analysis technologies, such as next-generation sequencing (NGS), microarray analysis, quantitative PCR (qPCR), and single-cell analysis techniques are driving market growth. However, a scarcity of experienced labour and the high cost of the instruments are expected to hinder market expansion over the projection period 2024-2032.

The key Countries considered for the Asia Pacific Gene Expression Analysis market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market. The Gene Expression Analysis market in China is driven by the growing research and development activities, rising demand for personalized medicine, and rapid expansion of biotechnology and pharmaceutical industries that are anticipated to support the market growth. Also, increased investment in biotechnology R&D in China fosters the development of advanced research facilities, equipped for genomics research and gene expression analysis. This enhances the capability of Chinese institutions and companies to conduct comprehensive studies on gene expression patterns in diverse biological systems and diseases. For instance, in Aug. 2023, Novo Holdings invested USD 290 million in Chinese life sciences company Sangon Biotech, specializing in DNA synthesis, genetic sequencing, and protein- and antibody-related drug research. This funding underscores Sangon's significance as a leading enabler of life sciences research in China, enhancing its capabilities and market presence.

Major market player included in this report are:

Takara Bio Inc

BGI Group

Royo Biotechnology Co., Ltd.

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

**By Technology**

Polymerase Chain Reaction (PCR)  
Next Generation Sequencing (NGS)  
Microarrays  
Others

**By Product Type**

Instruments  
Reagents and Consumables  
Services

**By End-user**

Drug Discovery & Development  
Diagnostic Laboratories  
Academic Research Centers

**By Region:**

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

**Years considered for the study are as follows:**

Historical year – 2022  
Base year – 2023  
Forecast period – 2024 to 2032

**Key Takeaways:**

Market Estimates & Forecast for 10 years from 2022 to 2032.  
Annualized revenues and country level analysis for each market segment.  
Detailed analysis of geographical landscape with Country level analysis of major regions.  
Competitive landscape with information on major players in the market.  
Analysis of key business strategies and recommendations on future market approach.  
Analysis of competitive structure of the market.  
Demand side and supply side analysis of the market

## Contents

### **CHAPTER 1. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Asia Pacific Gene Expression Analysis Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Technology
  - 2.3.2. By Product Type
  - 2.3.3. By End-user
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

### **CHAPTER 3. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET DYNAMICS**

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

- 5.1. Polymerase Chain Reaction (PCR)
- 5.2. Next Generation Sequencing (NGS)
- 5.3. Microarrays
- 5.4. Others

## **CHAPTER 6. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET SIZE & FORECASTS BY PRODUCT TYPE 2022-2032**

- 6.1. Instruments
- 6.2. Reagents and Consumables
- 6.3. Services

## **CHAPTER 7. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET SIZE & FORECASTS BY END-USER 2022-2032**

- 7.1. Drug Discovery & Development
- 7.2. Diagnostic Laboratories
- 7.3. Academic Research Centers

## **CHAPTER 8. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

- 8.1. China Gene Expression Analysis Market
  - 8.1.1. Technology breakdown size & forecasts, 2022-2032
  - 8.1.2. Product Type breakdown size & forecasts, 2022-2032
  - 8.1.3. End-user breakdown size & forecasts, 2022-2032
- 8.2. India Gene Expression Analysis Market
- 8.3. Japan Gene Expression Analysis Market
- 8.4. Australia Gene Expression Analysis Market
- 8.5. South Korea Gene Expression Analysis Market
- 8.6. Rest of Asia Pacific Gene Expression Analysis Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Takara Bio Inc
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Market Strategies
  - 9.3.2. BGI Group

9.3.3. Royo Biotechnology Co., Ltd.

9.3.4. Company

9.3.5. Company

9.3.6. Company

9.3.7. Company

9.3.8. Company

9.3.9. Company

9.3.10. Company

## **CHAPTER 10. RESEARCH PROCESS**

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

## List Of Tables

### **LIST OF TABLES** **TABLE 1. ASIA PACIFIC GENE EXPRESSION ANALYSIS MARKET, REPORT SCOPE**

TABLE 2. Asia Pacific Gene Expression Analysis market estimates & forecasts by Country 2022-2032 (USD Million)

TABLE 3. Asia Pacific Gene Expression Analysis market estimates & forecasts by Technology 2022-2032 (USD Million)

TABLE 4. Asia Pacific Gene Expression Analysis market estimates & forecasts by Product Type 2022-2032 (USD Million)

TABLE 5. Asia Pacific Gene Expression Analysis market estimates & forecasts by End-User 2022-2032 (USD Million)

TABLE 6. Asia Pacific Gene Expression Analysis market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. Asia Pacific Gene Expression Analysis market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. Asia Pacific Gene Expression Analysis market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. Asia Pacific Gene Expression Analysis market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. Asia Pacific Gene Expression Analysis market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. Asia Pacific Gene Expression Analysis market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 12. Asia Pacific Gene Expression Analysis market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 13. Asia Pacific Gene Expression Analysis market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 14. Asia Pacific Gene Expression Analysis market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 15. Asia Pacific Gene Expression Analysis market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 16. China Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 17. China Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 18. China Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)



TABLE 19. India Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 20. India Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 21. India Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 22. Japan Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 23. Japan Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 24. Japan Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 25. Australia Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 26. Australia Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 27. Australia Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 28. South Korea Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 29. South Korea Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 30. South Korea Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 31.

TABLE 32. RoAPAC Gene Expression Analysis market estimates & forecasts, 2022-2032 (USD Million)

TABLE 33. RoAPAC Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 34. RoAPAC Gene Expression Analysis market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 35. List of secondary sources, used in the study of Asia Pacific Gene Expression Analysis Market.

TABLE 36. List of primary sources, used in the study of Asia Pacific Gene Expression Analysis Market.

TABLE 37. Years considered for the study.

TABLE 38. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Asia Pacific Gene Expression Analysis market, research methodology
- FIG 2. Asia Pacific Gene Expression Analysis market, market estimation techniques
- FIG 3. Asia Pacific market size estimates & forecast methods.
- FIG 4. Asia Pacific Gene Expression Analysis market, key trends 2023
- FIG 5. Asia Pacific Gene Expression Analysis market, growth prospects 2022-2032
- FIG 6. Asia Pacific Gene Expression Analysis market, porters 5 force model
- FIG 7. Asia Pacific Gene Expression Analysis market, pestel analysis
- FIG 8. Asia Pacific Gene Expression Analysis market, value chain analysis
- FIG 9. Asia Pacific Gene Expression Analysis market by segment, 2022 & 2032 (USD Million)
- FIG 10. Asia Pacific Gene Expression Analysis market by segment, 2022 & 2032 (USD Million)
- FIG 11. Asia Pacific Gene Expression Analysis market by segment, 2022 & 2032 (USD Million)
- FIG 12. Asia Pacific Gene Expression Analysis market by segment, 2022 & 2032 (USD Million)
- FIG 13. Asia Pacific Gene Expression Analysis market by segment, 2022 & 2032 (USD Million)
- FIG 14. Asia Pacific Gene Expression Analysis market, Country snapshot 2022 & 2032
- FIG 15. Asia Pacific Gene Expression Analysis market 2022 & 2032 (USD Million)
- FIG 16. Asia Pacific Gene Expression Analysis market, company market share analysis (2023)

## I would like to order

Product name: Asia Pacific Gene Expression Analysis Market Size study, by Technology (Polymerase Chain Reaction (PCR), Next Generation Sequencing (NGS), Microarrays, Others), by Product Type (Instruments, Reagents and Consumables, Services), by End-user (Drug Discovery & Development, Diagnostic Laboratories, Academic Research Centers) and Country Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/AC8E3145083EEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AC8E3145083EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970