

Protein Expression and Purification in Bacteria, Insect Cells and CHO cells



America Diagnostics provides a comprehensive suite of recombinant protein expression and purification services, distinguished by our extensive expertise across various expression systems. We are committed to delivering high-quality protein production tailored to meet the specific requirements of our clients.

Key Strengths

Bacterial Recombinant Protein Expression Systems

- Adjustable Protein Synthesis rate: We employ a T5 promoter in conjunction with a linear response operator to the inducer, enabling precise control over protein synthesis rates.
- Broad Hosts: Our broad host range promoter is effective not only in *E. coli* but also in *Pseudomonas putida* and *Bacillus subtilis*, making it an adaptable vector suitable for diverse host organisms.

Insect Cell Expression

- Scalable Expression: Our offerings include both transient transfection in our proprietary HiExp™ insect cells for small-scale evaluations and large-scale protein expression utilizing the baculovirus system.
- High Successful Rate: Our services are designed to ensure reliable outcomes, consistently achieving protein yields with a purity exceeding 90%.

HiExp™ CHO Cell Protein Expression and Purification

- Custom Expression: We utilize in-house HiExp™ CHO cell lines for scalable recombinant protein expression and purification, available in both transient and stable formats.
- Quick Turnaround time: Typically 2-4 weeks, with a capacity for 1 mg scale and a purity level surpassing 90%.

Why Choose America Diagnostics?

- Located in San Diego, California, we are strategically positioned to deliver efficient and timely protein expression and purification solutions to our clients.
- Our proprietary technologies, strictly controlled expression system in E. coli, Quick enrichment of transfected cells in insect cells, and HiExp™ CHO cells significantly enhance our success rates.
- Additionally, our adherence to ISO 9001 and ISO 13485 quality systems underscores our commitment to best practices in the handling of customer materials and the provision of reliable products.