

Bacterial Expression

The *E. coli* expression system is widely utilized due to its simplicity, cost-effectiveness, and scalability.

Services:

- Protein expression optimization: 50 mL culture volume
- Pilot scale protein production and yield determination: 2-4 L
- Scale-up protein production: up to 40 L culture volume

Scalability:

Shake flask culture format from optimization to scale-up ensures reliable scalability and reproducibility.

Expression Optimization:

Careful selection of appropriate host strains, induction conditions, and growth media to achieve high levels of recombinant protein expression.

Getting Started

Construct generation or customer-provided

Construct Optimization

50 mL shake flask culture, optimization of strain, induction parameters, time of harvest

Pilot Scale

2 - 4 L shake flask culture

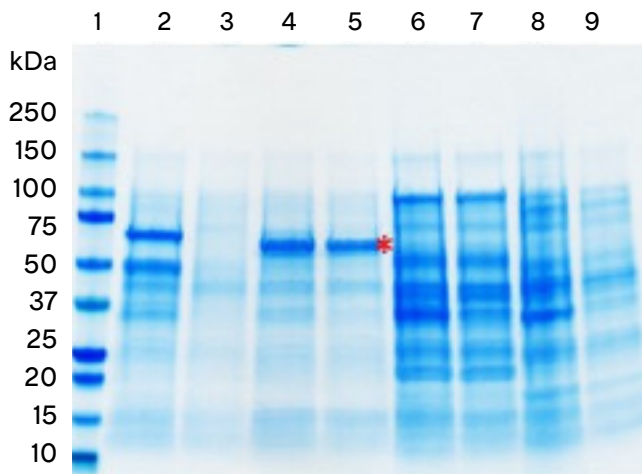
Production Scale

Up to 40 L shake flask culture

Email info@proteos.com to connect with our scientists.

E. coli strain expression screen: target protein MW 68.8 kDa

Expression Analysis: 4-20% Reducing SDS-PAGE, Instant Blue gel stain



1. M.W. Markers
2. Strain #1, total lysate
3. Strain #1, soluble lysate
4. Strain #2, total lysate
5. Strain #2, soluble lysate
6. Strain #3, total lysate
7. Strain #3, soluble lysate
8. Strain #4, total lysate
9. Strain #4, soluble lysate

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