

## Mammalian Cell Expression

Mammalian cell expression systems incorporate appropriate and often critical post-translation modifications that may impact protein stability and function. These systems are preferred in cases that require biologically functional protein.

### Licensed cell lines:

- HEK (human embryonic kidney)
- CHO (Chinese hamster ovary)

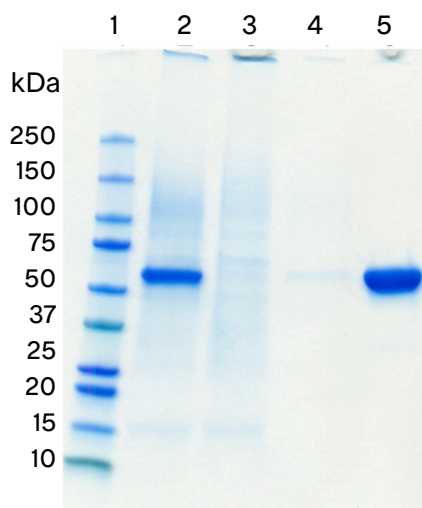
### Services:

- Analytical scale protein production and yield determination: 50 mL and 100 mL
- Pilot scale protein production and yield determination: 1-4 L
- Scale-up protein production: up to 60 L culture volume

### Scalability:

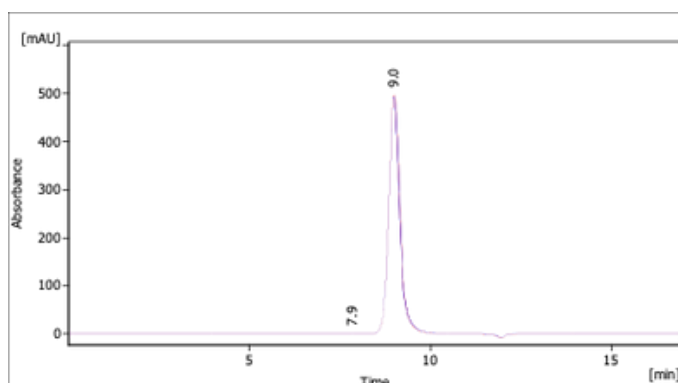
Shake flask culture format from optimization to scale-up ensures reliable scalability and reproducibility.

### Purification Example:



1. M.W. Markers	10 $\mu$ L
2. Ab fusion protein Load	20 $\mu$ L
3. Ab fusion protein NB	20 $\mu$ L
4. Ab fusion protein Wash	20 $\mu$ L
5. Ab fusion protein Affinity Pool	1.7 $\mu$ L

### Analytical SEC:



### Getting Started

Construct generation or customer-provided, endo-free plasmid DNA isolation

### Small Scale

50 mL or 100 mL shake flask culture, ideal for variant screening

### Pilot Scale

1 L to 4 L shake flask culture

### Production Scale

Up to 60 L shake flask culture

Email [info@proteos.com](mailto:info@proteos.com) to connect with our scientists.

