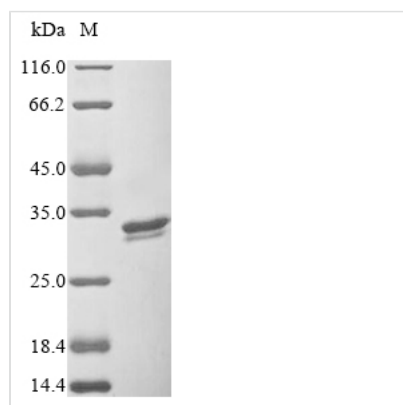




Recombinant Staphylococcus aureus Enterotoxin type A (entA)

| | |
|--------------------------|---|
| Product Code | CSB-BP362952FKZ |
| Abbreviation | Recombinant Staphylococcus aureus entA protein |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P0A0L2 |
| Product Type | Recombinant Proteins |
| Immunogen Species | Staphylococcus aureus |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | SEKSEEINEKDLRKKSELQGTALGNLQIYYYNEKAKTENKESHDQFLQHTILF KGFFTDHSWYNDLLVDFDSKDIVDKYKGKKVDLYGAYYGYQCAGGTPNKTAC MYGGVTLHDNNRLTEKKVPINLWLDGKQNTVPLETVKTNKKNVTQELDLQA RRYLQEKYNLYNSDVFDGKVQRGLIVFHTSTEPSVNYDLFGAQQQYSNTLLRI YRDNKTINSENMHIDIYLYTS |
| Research Area | Cell Biology |
| Source | Baculovirus |
| Target Names | entA |
| Protein Names | Recommended name: Enterotoxin type AAlternative name(s): SEA |
| Expression Region | 31.0 kDa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 10xHis-tagged and C-terminal Myc-tagged |
| Mol. Weight | 31.0 kDa |
| Protein Length | Full Length of Mature Protein |

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

The gene responsible for the *Staphylococcus aureus* entA protein (25-257aa) is cloned into a plasmid vector to obtain recombinant plasmid, which is then transformed into baculovirus cells. baculovirus cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to endure a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. Post-expression, affinity purification is employed to isolate and purify the recombinant *Staphylococcus aureus* entA protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 90%.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.