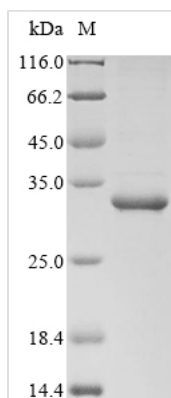




Recombinant Staphylococcus aureus Probable transglycosylase isaA (isaA)

Product Code	CSB-EP350770SUL
Abbreviation	Recombinant Staphylococcus aureus isaA 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.	P60157
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Staphylococcus aureus (strain MW2)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AEVNVDQAHLVDLAHNHQDQLNAAPIKDGAYDIHFVKDGFQYNFTSNGTTWS WSYEAANGQTAGFSNVAGADYTTTSYNQGSNVQSVSYNAQSSNSNVEAVSAP TYHNYSTSTTSSSVRLSNGNTAGATGSSAAQIMAQRTGVSASTWAAIIARESN GQVNAYNPSGASGLFQTMPGWGPTNTVDQQINAAVKAYKAQGLGAWGF
Research Area	Cell Biology
Source	E.coli
Target Names	isaA
Protein Names	Recommended name: Probable transglycosylase isaA EC= 3.2.-.- Alternative name(s): Immunodominant staphylococcal antigen A
Expression Region	30-233aa
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	28.8 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

In the general approach to express the recombinant *Staphylococcus aureus* (strain MW2) isaA protein, a plasmid encoding the *Staphylococcus aureus* (strain MW2) isaA protein (30-233aa) is first constructed. The constructed plasmid is then introduced into *e.coli* cells. Plasmid-containing *e.coli* cells are screened and cultured under conditions that induce the protein expression. The protein is fused with a N-terminal 10xHis tag and C-terminal Myc tag. Lysing the cultured cells and purifying the resulting recombinant isaA protein through affinity purification. The SDS-PAGE analysis is conducted to confirm the presence of the recombinant isaA protein and assess its purity. Its purity is over 85%.

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.