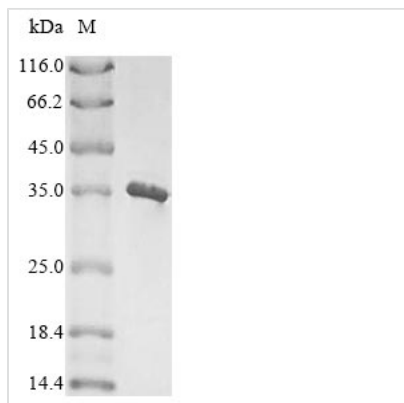


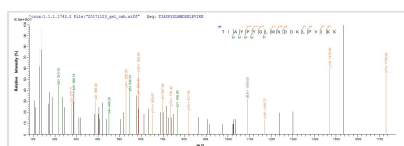


Recombinant Staphylococcus aureus Poly-beta-1,6-N-acetyl-D-glucosamine N-deacetylase (icaB)

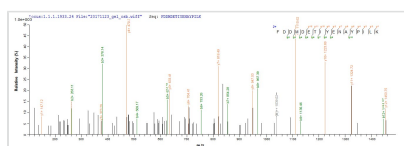
Product Code	CSB-EP751939SKY
Relevance	Catalyzes the N-deacetylation of poly-beta-1,6-N-acetyl-D-glucosamine (PNAG, also referred to as PIA), a biofilm adhesin polysaccharide. N-deacetylation is crucial for attachment of the polysaccharide to the bacterial cell surface; it leads to the introduction of positive charges in the otherwise neutral PIA polymer, allowing electrostatic interactions
Abbreviation	Recombinant Staphylococcus aureus icaB 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.	Q7A349
Product Type	Recombinant Protein
Immunogen Species	Staphylococcus aureus (strain N315)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	NADDDSPKCLKYKENSALALNYHRVRKANFLNFIYFFSSSKEIKNYSVVSQSQF ESQIKWLKSHDAKFLTLKEFLYKKGKFKRSVWINFDDMDETIYENAYPILK KYKIPATGFIITGHVGEENFHNLDMISKKELKEMYKTGLWEFETHDLHNLK NNKSKLMKASEATIICKDLNKSEKYLTKNFKKSQKTIAPYGLMNDKLPVIKKAG LKYGFSLEEKAVTPNSNDYYIPRILISDDAFEHLIKRWDGFHEKD
Research Area	Others
Source	E.coli
Target Names	icaB
Protein Names	Biofilm polysaccharide intercellular adhesin deacetylase Short name: Biofilm PIA deacetylase Intercellular adhesion protein B
Expression Region	29-290aa
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	35.9 kDa
Protein Length	Full Length of Mature Protein
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP751939SKY could indicate that this peptide derived from E.coli-expressed Staphylococcus aureus (strain N315) icaB.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP751939SKY could indicate that this peptide derived from E.coli-expressed Staphylococcus aureus (strain N315) icaB.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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.