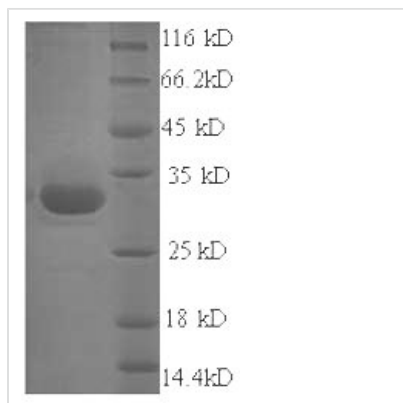


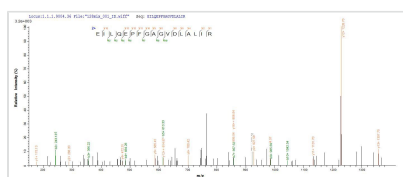


Recombinant Staphylococcus aureus Exfoliative toxin A (eta)

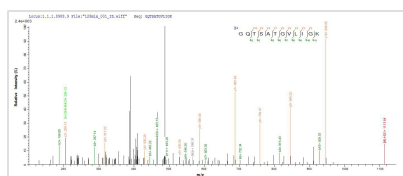
Product Code	CSB-EP357644FKZ
Relevance	Has serine protease-like properties and binds to the skin protein profilaggrin. Cleaves substrates after acidic residues. Exfoliative toxins cause impetigous diseases commonly referred as staphylococcal scalded skin syndrome (SSSS).
Abbreviation	Recombinant Staphylococcus aureus eta 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.	P09331
Alias	Epidermolytic toxin A
Product Type	Recombinant Protein
Immunogen Species	Staphylococcus aureus
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EVSAEEIKKHEEKWNNKYYGVNAFNLPKELFSKVDEKDRQKYPYNTIGNVFVKG QTSATGVLIGKNTVLTNRHIAKFANGDPSKVSFRPSINTDDNGNTETPYGEYEV KEILQEPFGAGVDLALIRLKPQNGVSLGDKISPAKIGTSNDLKDGDKLELIGYP FDHKVNQMHRSEIELTTLRGLRYYGFTVPGNSGSGIFNSNGELVGIHSSKVS HLDREHQINYGVGIGNYVKRIINEKNE
Research Area	Others
Source	E.coli
Target Names	eta
Expression Region	39-280aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	30.9kDa
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-EP357644FKZ could indicate that this peptide derived from E.coli-expressed *Staphylococcus aureus* eta.



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Description

Deepen your understanding of bacterial pathogenicity with the Recombinant *Staphylococcus aureus* eta. The product features Exfoliative toxin A (Epidermolytic toxin A), a vital virulence factor produced by *Staphylococcus aureus*. This toxin is a valuable research tool in the investigation of Staphylococcal infections, especially those characterized by epidermal blistering and desquamation.

This product is a full-length version of the mature protein, comprising amino acids 39-280. The expression of this protein is carried out in E.coli, and it is tagged at the N-terminus with a 6xHis-tag, which simplifies purification and identification steps. The Recombinant *Staphylococcus aureus* eta boasts a purity level of over 90%, confirmed by SDS-PAGE. It is offered in two forms, liquid and lyophilized powder, to accommodate diverse experimental designs. This exfoliative toxin is an excellent resource for any lab studying Staphylococcal infections and their associated disease mechanisms.

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.