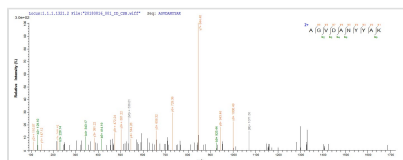




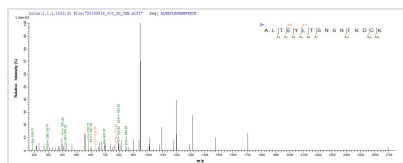
Recombinant Staphylococcus aureus Zinc metalloproteinase aureolysin (aur)

Product Code	CSB-EP305800FKZ
Abbreviation	Recombinant Staphylococcus aureus aur 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.	P81177
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Staphylococcus aureus
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AATGTGKGVLGDTKDININSIDGGFSLEDLTHQGKLSAYNFNDQTGQATLITNE DENFVKDDQQRAGVDANYAKQTYDYKNTFGRESYDNHGSPIVSLTHVNHYG GQDNRNNAAWIGDKMIYGDGDGRTFTNLSGANDVVAHELTHGVTQETANLEY KDQSGALNESFSDVFGYFVDDDEFLMGEDVYTPGKEGDALRSMNPEQFGQ PSHMKDYVYTEKDNGGVHTNSGIPNKAAYNVIQAIGKSKSEQIYYRALTEYLTS NSNFKDCKDALYQAAKDLYDEQTAEQVYEAWNEVGVE
Research Area	Cell Biology
Source	E.coli
Target Names	aur
Protein Names	Recommended name: Zinc metalloproteinase aureolysin EC=3.4.24.29 Alternative name(s): Staphylococcus aureus neutral proteinase
Expression Region	210-509aa
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	40.2 kDa
Protein Length	Full Length of Mature Protein

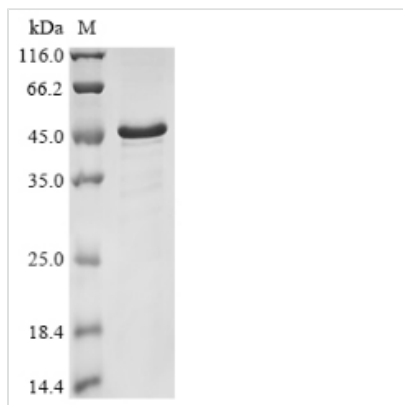
Image



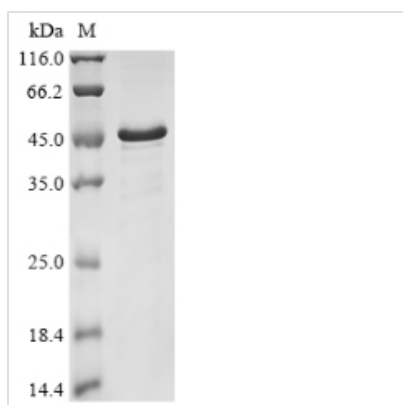
Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP305800FKZ could indicate that this peptide derived from E.coli-expressed Staphylococcus aureus aur.



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



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Description

Constructing a plasmid that codes for the *Staphylococcus aureus* aur protein (210-509aa) initiates the generation of the recombinant *Staphylococcus aureus* aur protein. The constructed plasmid is transformed into 210-509aa cells. Positive e.coli cells are selected and then cultured under conditions that encourage the expression of the gene of interest. The protein is equipped with a N-terminal 10xHis tag and C-terminal Myc tag. After that, affinity purification is employed to isolate and purify the recombinant aur protein from the cell lysate. The purity of the resulting recombinant aur protein is over 85%, determined by SDS-PAGE.

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.