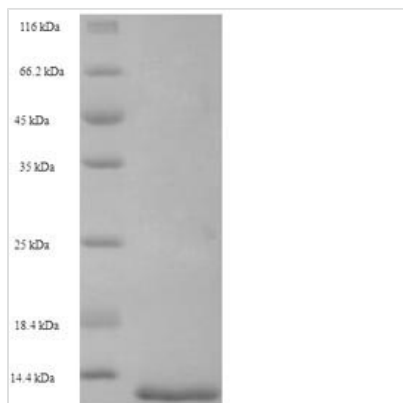


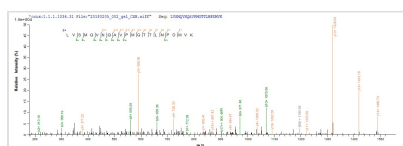


Recombinant Zoarces americanus Ice-structuring protein lambda OP-3

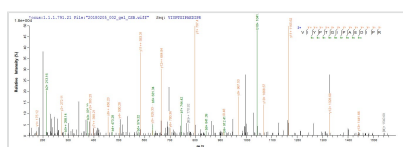
Product Code	CSB-EP325687MAQ
Relevance	Contributes to protect fish blood from freezing at subzero sea water temperatures. Lowers the blood freezing point. Binds to nascent ice crystals and prevents further growth (By similarity).
Abbreviation	Recombinant Zoarces americanus Ice-structuring protein lambda OP-3 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.	P19606
Alias	Antifreeze protein lambda OP-3
Product Type	Recombinant Protein
Immunogen Species	Zoarces americanus (Ocean pout) (Macrozoarces americanus)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	NQSVVATQLIPINTALTLVMMTTRVIYPTGIPAEDIPRLVSMQVNQAVPMGTTLMPDMVKFYCLCAPKN
Research Area	Others
Source	E.coli
Protein Names	Recommended name: Ice-structuring protein lambda OP-3 Short name= ISP lambda OP-3 Alternative name(s): Antifreeze protein lambda OP-3
Expression Region	23-91aa
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	11.6kDa
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-EP325687MAQ could indicate that this peptide derived from E.coli-expressed *Zoarces americanus* (Ocean pout) (Macrozoarces americanus) N/A.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP325687MAQ could indicate that this peptide derived from E.coli-expressed *Zoarces americanus* (Ocean pout) (Macrozoarces americanus) N/A.

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.