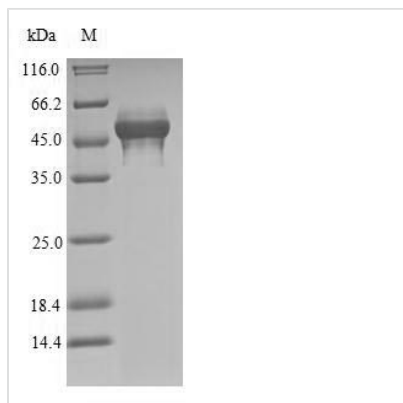


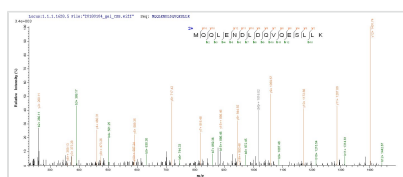


Recombinant Penaeus monodon Tropomyosin (TM1)

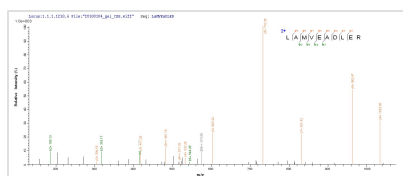
Product Code	CSB-EP375499ETF
Relevance	Tropomyosin, in association with the troponin complex, plays a central role in the calcium dependent regulation of muscle contraction.
Abbreviation	Recombinant Penaeus monodon Tropomyosin protein
Storage	The shelf life is related to many factors, storage state, 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.	A1KYZ2
Alias	Tropomyosin, fast isoform Short name: Tm-Penm-f
Product Type	Recombinant Protein
Immunogen Species	Penaeus monodon (Giant tiger prawn)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDAIKKKMQAMKLEKDNAMDRADTLEQQNKEANNRAEKSEEEVHNLQKRMQ QLENDLDQVQESLLKANIQLVEKDKALSNAEGEVAALNRRIQLLEEDLERSEER LNTATTKLAEASQAADSERMRKVLENRSLSD EERMDALENQLKEARFLAEEA DRKYDEVARKLAMVEADLERAEERAETGESKIVELEEEELRVVGNNLKSLEVSE EKANQREEAYKEQIKTLTNKLKAAEARAEFAERSVQKLQKEVDRLEDELVNEK EKYKSITDELDTQTFSELSGY
Research Area	Others
Source	E.coli
Target Names	TM1
Expression Region	1-284aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	48.8kDa
Protein Length	Full Length
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-EP375499ETF could indicate that this peptide derived from E.coli-expressed *Penaeus monodon* (Giant tiger prawn) TM1.



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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.