Recombinant Penaeus Monodon TM1 Protein (1-284 aa), His-SUMO-tagged

Cat. No. TM1-1991P **Lot. No.** (See product label)

SPECIFICATION

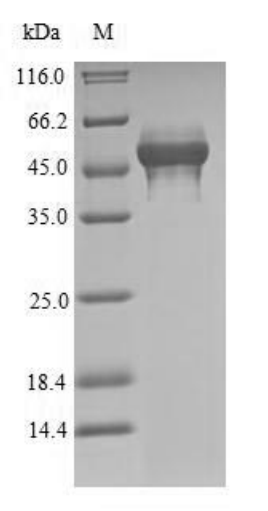
Product Overview	Recombinant Penaeus Monodon (Giant tiger prawn) TM1 Protein (1-284 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Penaeus Monodon
Source	E.coli
ProteinLength	1-284 aa
Description	Tropomyosin, in association with the troponin complex, plays a central role in the calcium dependent regulation of muscle contraction.
Form	Tris-based buffer,50% glycerol
Molecular Mass	48.8 kDa
AA Sequence	MDAIKKKMQAMKLEKDNAMDRADTLEQQNKEANNRAEKSEEEVHNLQKRMQQLE NDLDQVQESLLKANIQLVEKDKALSNAEGEVAALNRRIQLLEEDLERSEERLNTATTK LAEASQAADESERMRKVLENRSLSDEERMDALENQLKEARFLAEEADRKYDEVARK LAMVEADLERAEERAETGESKIVELEEELRVVGNNLKSLEVSEEKANQREEAYKEQI KTLTNKLKAAEARAEFAERSVQKLQKEVDRLEDELVNEKEKYKSITDELDQTFSELS GY

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Synonyms	TM1; Tropomyosin, fast isoform Short name: Tm-Penm-f;
UniProt ID	A1KYZ2



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

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