

Tropomyosin-1 Human Recombinant

Item Number	rAP-4988
Synonyms	Tropomyosin alpha-1 chain, Tropomyosin-1, Alpha-tropomyosin, TPM1, C15orf13, TMSA, CMD1Y, HTM-alpha.
Description	TPM1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 304 amino acids (1-284 a.a.) and having a total molecular mass of 35kDa (Molecular weight on SDS-PAGE will appear higher). TPM1 is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary
Uniprot Accession Number	P09493
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MDAIKKKMQM LKLDKENALD RAEQAEADKK AAEDRSKQLE DELVSLQKKL KGTEDELDKY SEALKDAQEKLELAEEKATD AEADVASLNR RIQLVEEELD RAQERLATAL QKLEEAEEKAA DESERGMKVI ESRAQKDEEK MEIQEIQLEKE AKHIAEDADRKYEEVARKLV IIESDLERAE ERAELSEGQV RQLEEQLRIM DQTLKALMAA EDKYSQKEDR YEEEIKVLSD KLKEAETRAE FAERSVTKLEKSIDDLEDEL YAQKLKYKAI SEELDHALND MTSM.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	TPM1 0.5mg/ml protein solution contains 20mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl & 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**