

Tropomyosin-4 Human Recombinant

Item Number	rAP-4987
Synonyms	Tropomyosin alpha-4 chain, TM30p1, Tropomyosin-4, TPM4.
Description	TPM4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 268 amino acids (1-248 a.a.) and having a molecular mass of 30.7kDa. TPM4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P67936
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAGLNSLEAV KRKIQLQQQ ADEAEDRAQG LQRELDGERE RREKAEGDVA ALNRRIQLVE EELDRAQERL ATALQKLEEA EKADESERG MKVIENRAMK DEEK- MEIQEM QLKEAKHIAE EADRYEEVA RKLVILEGEL ERAEERAQVS ELKCGDLEEE LKNVTNNLKS LE- AASEKYSE KEDKYEEEIK LLSDKLKEAE TRAEFAERTV AKLEKTIDDL EEKLAQAKEE NVGLHQTLDD TLNELNCI.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless 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	The TPM4 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl. Greater than 85.0% 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**