

32-5112: Recombinant Human Tropomyosin-4

Alternative Name : Tropomyosin alpha-4 chain, TM30p1, Tropomyosin-4, TPM4.

Description

Source : Escherichia Coli. 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. TPM4 is a member of the tropomyosin family. Tropomyosins exist in practically all eukaryotic cells (both muscle and nonmuscle), where they bind actin filaments and function to modulate actin-myosin interaction and stabilize actin filament structure. TPM4 binds to actin filaments in muscle and nonmuscle cells and plays a central role, in connection with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The TPM4 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAGLNSLEAV KRKIQALQQQ ADEAEDRAQG LQRELDGERE RREKAEGDVA ALNRRRIQLVE EELDRAQERL ATALQKLEEA EKAADSERG MKVIENRAMK DEEKMEIQEM QLKEAKHIAE EADRKYEEVA RKLVILEGEL ERAEERAQEV ELKCGDLEEE LKNVTNNLKS LEAASEKYSE KEDKYEEEEK LLSDKLKEAE TRAEFAERTV AKLEKTIDDL EEKLAQAQEE NVGLHQTLTDQ TLNELNCI.