

32-5110: Recombinant Human Tropomyosin-2

Alternative Name : Tropomyosin 2 (beta), DA1, TMSB, DA2B, AMCD1, NEM4, Arthrogryposis Multiplex Congenital Distal-Type 1, beta-Tropomyosin.

Description

Source : Escherichia Coli. TPM2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 304 amino acids (1-284a.a.) and having a molecular mass of 35.1kDa(molecular weight on SDS-PAGE will appear higher). TPM2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tropomyosin beta chain isoform 2 is affiliate to the actin filament binding protein family which primarily expressed in slow, type 1 muscle fibers. Mutations in TPM2 can change the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes.

Product Info

Amount : 5 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The TPM2 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 100mM NaCl and 30% glycerol.
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 it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHH SGLVPRGSH MDAIKKKMQM LKLDKENAID RAEQAEADKK QAEDRCKQLE
EEQQALQKKL KGTEDEVEKY SESVKEAQEK LEQAEEKATD AADVASLNR RIQLVEEELD
RAQERLATAL QKLEEAEKAA DESERGMKVI ENRAMKDEEK MELQEMQLKE AKHIAEDSDR
KYEEVARKLV ILEGELERSE ERAEVAESRA RQLEEEELRTM DQALKSLMAS EEEYSTKEDK
YEEEIKLLEE KLKEAETRAE FAERSVAKLE KTIDDLEETL ASAKEENVEI HQTLDQTLLE LNNL.

