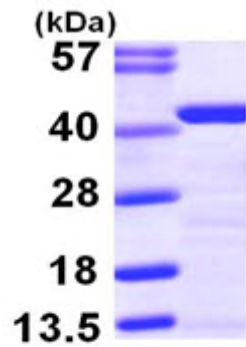


**AR09813PU-S****Human Tropomyosin-2 (TPM2) (1-284, His-tag) - Purified**

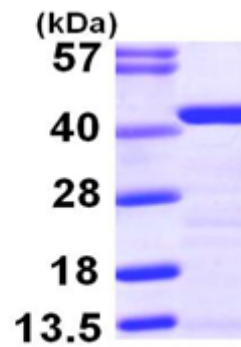
<b>Alternate names:</b>	Beta-tropomyosin, Tropomyosin beta chain
<b>Quantity:</b>	10 µg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	Tropomyosin beta chain isoform 2, also known as TPM2, is a member of the actin filament binding protein family which mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes.
<b>Uniprot ID:</b>	<a href="#">P07951</a>
<b>NCBI:</b>	<a href="#">NP_003280</a>
<b>GeneID:</b>	<a href="#">7169</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% <b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl
<b>Description:</b>	Recombinant human TPM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> <u>MGSSHHHHHH</u> SSGLVPRGSH MDAIKKKMQM LKLDKENAID RAEQAEADKK QAEDRCKQLE EEQQALQKKL KGTEDEVEKY SESVKEAQEK LEQAEKKATD AADVASLNR RIQLVEEELD RAQERLATAL QKLEEAEEKAA DESERGMKVI ENRAMKDEEK MELQEMQLKE AKHIAEDSDR KYEEVARKLV ILEGELERSE ERAEVAESRA RQLEEEELRTM DQALKSLMAS EEEYSTKEDK YEEEIKLLEE KLKEAETRAE FAERSVAKLE KTIDDLEETL ASAKEENVEI HQTLDQTLLE LNNL <b>Molecular weight:</b> 35.1 kDa (304aa) confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher).
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human TPM2, 1-284 aa, His-tagged



15% SDS-PAGE (3ug)