

Recombinant Human TPM2

Cat. No. TPM2-31627TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Tropomyosin 2 Isoform 2 expressed in <i>Saccharomyces cerevisiae</i> ; 284 amino acids, MWt 33 kDa. Protein is tagged with 26 kDa proprietary tag.
Species	Human
Description	This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MDAIKKKMQLKLDKENAIDRAEQAEDKKQAEDRCKQLE EEQQALQKKLKGTEDEVEKYSES VKAEQEKLEQA EKKA TDAEADVASLNRRIQLVEEELDRAQERLATALQKLEEA EKADESERGMKV IENRAMKDEEK MELQEMQLKEAKHIAE DSDRKYEEVAR KLVILEGELERSEERA EVAESRARQLE EELRTMDQALKSLMASEEEYSTKEDKYE

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EEIKLLEEKL KEAETRAEFAERSVAKLEKTIDDLEETLASAKEENVEIHQ TLDQTLLEL
NNL

Full Length Full L.

GENE INFORMATION

Gene Name TPM2 tropomyosin 2 (beta) [Homo sapiens]

Official Symbol TPM2

Synonyms TPM2; tropomyosin 2 (beta); AMCD1, arthrogryposis multiplex congenital, distal, type 1; tropomyosin beta chain; DA1;

Gene ID 7169

mRNA Refseq NM_003289

Protein Refseq NP_003280

MIM 190990

Uniprot ID P07951

**Chromosome
Location** 9p13

Pathway Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem;

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Function

actin binding; structural constituent of muscle;

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