

Product datasheet for **TP304007M**

Tropomyosin 2 (TPM2) (NM_213674) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tropomyosin 2 (beta) (TPM2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204007 protein sequence Red =Cloning site Green =Tags(s)
	MDAIKKKMQLKLDKENAIDRAEQAEADKKQAEDRCKQLEEEQQALQKCLKGTEDEVEKYSESVKEAQEK LEQAEKKATDAEADVASLNRRRIQLVEEELDRAQERLATALQKLEEAKEAADESERGMKVIENRAMKDEEK MELQEMQLKEAKHIAEDSDRKYEEVARKLVILEGELERSEERA EVAESRARQLEELRTMDQALKSLMAS EEEYSTKEDKYEEEIKLLEEKLEAETRAEFAERSVAKLEKTIDDLEETLASAKEENVEIHQTLDQTLLE LNNL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	32.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_998839</u>
Locus ID:	7169



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UniProt ID: [P07951](#), [V9HW25](#)

RefSeq Size: 1182

Cytogenetics: 9p13.3

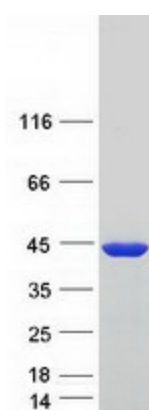
RefSeq ORF: 852

Synonyms: AMCD1; DA1; DA2B; DA2B4; HEL-S-273; NEM4; TMSB

Summary: 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 arthrogyposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]

Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

Product images:



Coomassie blue staining of purified TPM2 protein (Cat# [TP304007]). The protein was produced from HEK293T cells transfected with TPM2 cDNA clone (Cat# [RC204007]) using MegaTran 2.0 (Cat# [TT210002]).