

Product datasheet for **TP327534M**

TPM4 (NM_001145160) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens tropomyosin 4 (TPM4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227534 representing NM_001145160 Red =Cloning site Green =Tags(s)

MEAIKKKMQMLKLDKENAIDRAEQAEADKKAEDKCKQVEEELTHLQKKLKGTEDELDKYSEDLKDAQEK
LELTEKKASDAEGDVAALNRRQLVEEELDRAQERLATALQKLEEAKEKADESERGMKVIENRAMKDEEK
MEIQEMQLKEAKHIAEEADRKYEEVARKLVILEGELERAEEAEVSELKCGDLEEEELKNVTNNLKSLEAA
SEKYSEKEDKYEEEIKLLSDKLKEAETRAEFAERTVAKLEKTIDDLKLAQAKEENVGLHQTLDTLNE
LNCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	32.5 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:	NP_001138632
Locus ID:	7171



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UniProt ID: [P67936](#), [P67936-2](#)

Cytogenetics: 19p13.12-p13.11

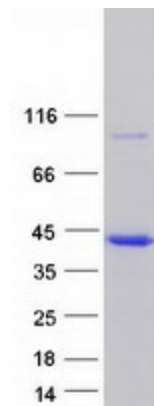
RefSeq ORF: 852

Synonyms: HEL-S-108

Summary: This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2009]

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

Product images:



Coomassie blue staining of purified TPM4 protein (Cat# [TP327534]). The protein was produced from HEK293T cells transfected with TPM4 cDNA clone (Cat# [RC227534]) using MegaTran 2.0 (Cat# [TT210002]).