Recombinant Human TPM4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TPM4-4820H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TPM4 MS Standard C13 and N15-labeled recombinant protein (NP_001138632) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	32.5 kDa
AA Sequence	MEAIKKKMQMLKLDKENAIDRAEQAEADKKAAEDKCKQVEEELTHLQKKLKGTEDEL DKYSEDLKDAQEKLELTEKKASDAEGDVAALNRRIQLVEEELDRAQERLATALQKLE EAEKAADESERGMKVIENRAMKDEEKMEIQEMQLKEAKHIAEEADRKYEEVARKLVI LEGELERAEERAEVSELKCGDLEEELKNVTNNLKSLEAASEKYSEKEDKYEEEIKLLS DKLKEAETRAEFAERTVAKLEKTIDDLEEKLAQAKEENVGLHQTLDQTLNELNCITRT

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TPM4 tropomyosin 4 [Homo sapiens (human)]
Official Symbol	TPM4
Synonyms	TPM4; tropomyosin 4; tropomyosin alpha-4 chain; TM30p1; tropomyosin-4;
Gene ID	7171
mRNA Refseq	NM_001145160
Protein Refseq	NP_001138632
MIM	600317
UniProt ID	P67936

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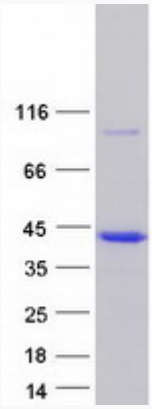
SDS-PAGE	

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