

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

Cat. No. TPM4-3386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

TPM4 MS Standard C13 and N15-labeled recombinant protein (NP_003281) 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

28.6 kDa

AA Sequence

MAGLNSLEAVKRKIQALQQQADEAEDRAQGLQRELDGERERREKAEGDVAALNRRRI
 QLFEEELDRAQERLATALQKLEEAKEAADESERGMKVNIENRAMKDEEKMEIQEMQL
 KEAKHIAEEADRKYEEVARKLVILEGELERAEEAEVSELKCGDLEEEELKNVTNNLKS
 LEAASEKYSEKEDKYEEEEIKLLSDKLKEAETRAEFAERTVAKLEKTIDDLLEEKLAQAK
 EENVGLHQTLNQTLNELNCITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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_003290
Protein Refseq	NP_003281
MIM	600317
UniProt ID	P67936

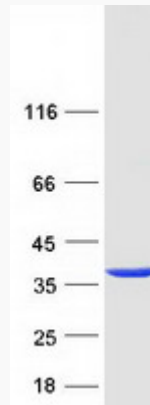
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SDS-PAGE



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