

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

MEAIKKKMQMLKLDKENAIDRAEQAEADKKAEDKCKQVEEELTHLQKKLKGTEDEL
DKYSEDLKDAQEKLELTEKKASDAEGDVAALNRRRIQLVEEELDRAQERLATALQKLE
EAEKAADESERGMKVIENTRAMKDEEKMEIQEMQLKEAKHIAEEADRKYEEVARKLVI
LEGELERAEEAEVSELKCGDLEEEELKNVTNNLKSLEAASEKYSEKEDKYEEI KLLS
DKLKEAETRAEFAERTVAKLEKTIDDL EEKLAQAKEENVGLHQTL DQTLNELNCITRT

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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

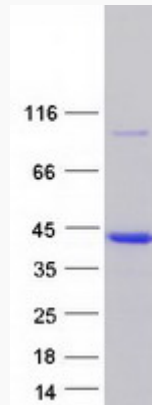
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SDS-PAGE



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