

Recombinant Mouse Tpm4 Protein, Myc/DDK-tagged

Cat. No. Tpm4-6601M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tropomyosin 4 (Tpm4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments. Binds calcium.
Molecular Mass	28.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Tpm4 tropomyosin 4 [Mus musculus (house mouse)]
Official Symbol	Tpm4
Synonyms	TPM4; tropomyosin 4; tropomyosin alpha-4 chain; tropomyosin-4; 2610528G24Rik
Gene ID	326618
mRNA Refseq	NM_001001491
Protein Refseq	NP_001001491
UniProt ID	Q6IRU2

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