

Recombinant Mouse Tpm1 Protein, Myc/DDK-tagged

Cat. No. Tpm1-6598M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tropomyosin 1, alpha (Tpm1), transcript variant Tpm1.10, 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.
Molecular Mass	32.9 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Tpm1 tropomyosin 1, alpha \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Tpm1](#)

Synonyms TPM1; tropomyosin 1, alpha; tropomyosin alpha-1 chain; tropomyosin-1; alpha tropomyosin; alpha-tropomyosin; TM2; Tm3; Tmpa; Tpm-1; AA986836; AI854628; alpha-TM

Gene ID [22003](#)

mRNA Refseq [NM_001164255](#)

Protein Refseq [NP_001157727](#)

UniProt ID [P58771](#)

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