

## Recombinant Mouse Tpm1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	32.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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; A1854628; alpha-TM

**Gene ID** 22003

**mRNA Refseq** NM\_001164255

**Protein Refseq** NP\_001157727

**UniProt ID** P58771

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