

## Recombinant Mouse Tpm4 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length tropomyosin 4 (Tpm4), 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. Binds calcium.
<b>Molecular Mass</b>	28.9 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
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

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

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