

Recombinant Mouse Tpm3 Protein, Myc/DDK-tagged

Cat. No. Tpm3-6600M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tropomyosin 3, gamma (Tpm3), 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	33.3 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	Tpm3 tropomyosin 3, gamma [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tpm3
Synonyms	TPM3; tropomyosin 3, gamma; tropomyosin alpha-3 chain; skalphaTM.2; tropomyosin 5; tropomyosin-3; gamma-tropomyosin; Tpm5; Tm5NM; Tpm-5; hTMnm; Trop-5; hTM30nm; gamma-TM; MGC102590
Gene ID	59069
mRNA Refseq	NM_022314
Protein Refseq	NP_071709
UniProt ID	E9Q5J9

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