

Product datasheet for **TP518455**

Tpm1 (NM_001164255) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse tropomyosin 1, alpha (Tpm1), transcript variant Tpm1.10, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR218455 representing NM_001164255
Red=Cloning site **Green**=Tags(s)

MDAIKKKMQMLKLDKENALDRAEQAEADKKAEDRSKQLEDELVSLQKLLKGTEDLDKYSEALKDAQEK
LELAEKKATDAEADVASLNRRRIQLVEEELDRAQERLATALQKLEEAKEKADESERGMKVIESRAQKDEEK
MEIQEIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAERAELSEGKCAELEELKTVTNNLKSLEAQ
AEKYSQKEDKYEIEIKVLSDKLKEAETRAEFAERSVTKLEKSIDDLEDQLYHQLEQNRRLTNELKLALNE
D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 32.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001157727](#)

Locus ID: 22003

UniProt ID: [E9Q452](#)



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RefSeq Size: 1577

Cytogenetics: 9 36.27 cM

RefSeq ORF: 843

Synonyms: AA986836; AI854628; alpha-TM; TM2; Tm3; Tmpa; Tpm-1

Summary: 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.[UniProtKB/Swiss-Prot Function]