

Recombinant Mouse Trim72 Protein, Myc/DDK-tagged

Cat. No. Trim72-6663M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse tripartite motif-containing 72 (Trim72), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Muscle-specific protein that plays a central role in cell membrane repair by nucleating the assembly of the repair machinery at injury sites. Specifically binds phosphatidylserine. Acts as a sensor of oxidation: upon membrane damage, entry of extracellular oxidative environment results in disulfide bond formation and homooligomerization at the injury site. This oligomerization acts as a nucleation site for recruitment of TRIM72-containing vesicles to the injury site, leading to membrane patch formation. Probably acts upstream of the Ca ²⁺ -dependent membrane resealing process. Required for transport of DYSF to sites of cell injury during repair patch formation. Regulates membrane budding and exocytosis. May be involved in the regulation of the mobility of KCNB1-containing endocytic vesicles.
Molecular Mass	53.3 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.

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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.
Full Length	Full L.

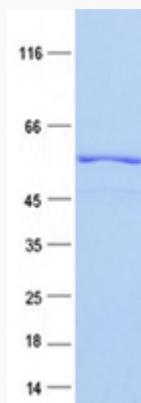
GENE INFORMATION

Gene Name	Trim72 tripartite motif-containing 72 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Trim72
Synonyms	TRIM72; tripartite motif-containing 72; tripartite motif-containing protein 72; mitsugumin 53; mitsugumin-53; MG53; BC067209
Gene ID	434246
mRNA Refseq	NM_001079932
Protein Refseq	NP_001073401
UniProt ID	Q1XH17

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SDS-PAGE

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