

## Recombinant Mouse Trim72 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse tripartite motif-containing 72 (Trim72), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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 <sup>2+</sup> -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.
<b>Molecular Mass</b>	53.3 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.

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<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.
<b>Full Length</b>	Full L.

## GENE INFORMATION

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

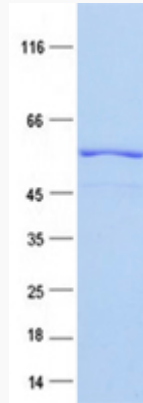
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SDS-PAGE



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