Recombinant Mouse Trim72 overexpression lysate

Cat. No. Trim72-13HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Trim72 HEK293T cell transient overexpression lysate (as WB positive control) with a C-Myc/DDK tag was expressed in HEK293T. Preparation: HEK293T cells in 10-cm dishes were transiently transfected. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. To facilitate transportation and protein, the products are supplied as lyophilized proteins. Components: 1 vial of 20 µg lyophilized gene specific transient over-expression cell lysate
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 Ca2+-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

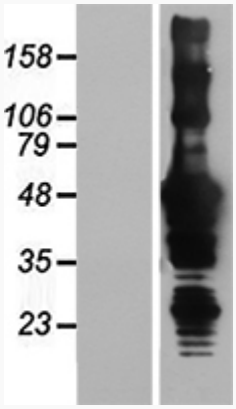
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	regulation of the mobility of KCNB1-containing endocytic vesicles.
Molecular Mass	52.8 kDa
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles after reconstitution.
Storage	Upon receiving, store the sample at -20 centigrade.
Reconstitution	Lysate samples can be reconstituted with SDS Sample Buffer. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
Shipping	The lysate can be shipped at ambient temperature.

GENE INFORMATION

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

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SDS-PAGE	

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