

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

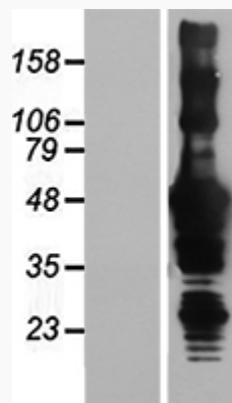
Protein Refseq NP_001073401

UniProt ID Q1XH17

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SDS-PAGE

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