

Recombinant Mouse Trim72 overexpression lysate

Cat. No. Trim72-29HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Transient overexpression lysate of Mouse tripartite motif-containing 72 (Trim72) 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. Cell lysates were aliquoted and stored at -20 centigrade before shipping.

Components:

1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer

1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer

1 vial of 250 µL 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)

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

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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 regulation of the mobility of KCNB1-containing endocytic vesicles.

Molecular Mass 52.8 kDa

Stability Avoid repeated freeze-thaw cycles. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade.

Storage Upon receiving, store the sample at -20 centigrade.

Reconstitution Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage.

Shipping The lysate is shipped with dry ice.

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](#)

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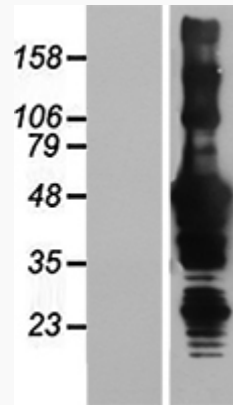
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Protein Refseq NP_001073401

UniProt ID Q1XH17

SDS-PAGE



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