

Tripartite motif-containing protein 72 (TRIM72) Recombinant Protein | TRIM72 recombinant protein

Recombinant Human Tripartite motif-containing protein 72 (TRIM72), partial

CATALOG # AAA243737	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Tripartite motif-containing protein 72 (TRIM72); Recombinant Human Tripartite motif-containing protein 72 (TRIM72); partial; Mitsugumin-53 (Mg53); (MG53); TRIM72 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, p
Sequence Positions	2-477aa; Partial
Sequence	SAAPGLLHQE LSCPLCLQLF DAPVTAECGH SFCRACLGRV AGEPAADGTV LCPCCQAPTR PQALSTNLQL ARLVEGLAQV PQGHCEEHL DPLSIYCEQDR ALVCGVCASL GSHRGHRLLP AAEAHARLKT QLPQQKLQLQ EACMRKEKSV AVLEHQLVEV EETVRQFRGA VGEQLGKMRV FLAALLEGSLD REAERVGEA GVALRRELGS LNSYLEQLRQ MEKVL EEVAD KPQTEFLMKY CLVTSRLQKI LAESP PPARL DIQLPIISDD FKQVWRKMF RALMPALEEL TFD PSSAHPS LVVSSSGRRV ECSEQKAPPA GEDPRQFDKA VAVVAHQQLS EGEHYWEVDV GDKPRWALGV IAAEAPRRGR LHAVPSQGLW LLGLREGKIL EAHVEAKEPR ALRSPERRPT RIGLYLSFGD GVLSFYDASD ADALVPLFAF HERLPRPVYP FFDVCWHDKG KNAQPLLLVG PEGAEA
Species	Human
Tag	N-terminal GST-tagged
Expression System	E.coli
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for TRIM72 recombinant protein	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 regulation of the mobility of KCNB1-containing endocytic vesicles
Product Categories/Family for TRIM72 recombinant protein	Cell Biology
References	"S-nitrosylation of TRIM72 at cysteine 144 is critical for protection against oxidation-induced protein degradation and cell death." Kohr M.J., Evangelista A.M., Ferlito M., Steenberg C., Murphy E.J. Mol. Cell. Cardiol. 69:67-74(2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	270265876
NCBI GeneID	493829
NCBI Accession #	NP_001008275
NCBI GenBank Nucleotide #	NP_001008275.2
UniProt Accession #	Q6ZMU5
Molecular Weight	79.4kDa
NCBI Official Full Name	tripartite motif-containing protein 72
NCBI Official Synonym Full Names	tripartite motif containing 72
NCBI Official Symbol	TRIM72
NCBI Official Synonym Symbols	Mg53
NCBI Protein Information	tripartite motif-containing protein 72
UniProt Protein Name	Tripartite motif-containing protein 72
UniProt Gene Name	TRIM72
UniProt Synonym Gene Names	Mg53
UniProt Entry Name	TRI72_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/trim72-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/243737>