Recombinant Full Length human TRIM72 protein, Tag Free

Cat. No. TRIM72-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant full length protein of Human MG53 without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-477 aa
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 Ca(2+)-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 (By similarity).
Tag	Non
Molecular Mass	52.6 kDa
Endotoxin	< 1 EU/μg of the protein by the LAL

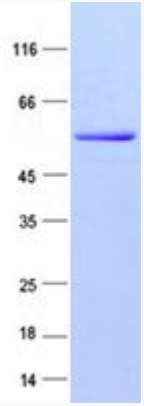
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Purity	> 85% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Reconstitution	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>0.05 μg/μL as determined by microplate BCA method
Storage Buffer	PBS, 10% glycerol

GENE INFORMATION

Gene Name	TRIM72 tripartite motif containing 72 [Homo sapiens (human)]
Official Symbol	TRIM72
Synonyms	TRIM72; tripartite motif containing 72; MG53; tripartite motif-containing protein 72; mitsugumin-53; tripartite motif containing 72, E3 ubiquitin protein ligase
Gene ID	493829
mRNA Refseq	NM_001008274
Protein Refseq	NP_001008275
MIM	613288

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UniProt ID	Q6ZMU5
SDS-PAGE	

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