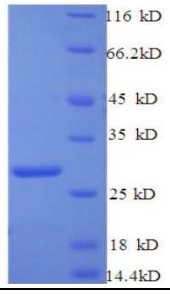
Recombinant Human Tripartite motif-containing protein 72(TRIM72)

Catalog Number: CSB-MP744394HU

Product Name：	Recombinant Human Tripartite motif-containing protein 72(TRIM72)
Alternative names:	Mitsugumin-53
Catalog Number：	CSB-MP744394HU
Relevance ：	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.
Mol. Weight：	31kd
Tag	His-tagged
Source：	Mammalian cell derived
Image:	
Purity：	>90%(SDS-PAGE)
Storage Buffer：	20mM Tris-Hcl, 0.5M Nacl,pH 8.0, 50% glycerol
Storage ：	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
Notes ：	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
AA sequence：	MSAAPGLLHQELSCPLCLQLFDAPVTAECGHSFCRACLGRVAGEPAADGTVLCPCCQAPT RPQALSTNLQLARLVEGLAQVPQGHCEEHLDPLSIYCEQDRALVCGVCASLGSHRGHRLL PAAEAHARLKTQLPQQKLQLQEACMRKEKSVAVLEHQLVEVEETVRQFRGAVGEQLGKMR VFLAALEGSLDREAERVRGEAGVALRRELGSLNSYLEQLRQMEKVLEEVADKPQTEFLMK YCLVTSRLQKILAESPPPARLDIQLPIIS
References：	"Complete sequencing and characterization of 21,243 full-length human cDNAs." Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. Sugano S. Nat. Genet. 36:40-45(2004)