

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

Catalog Number: RPC23883

Product Name	Recombinant Human Tripartite motif-containing protein 72(TRIM72),partial
Catalog Number	RPC23883
Expression host	<i>Mammalian cell</i>
Product Info	C-terminal Flag-Myc-tagged
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
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 (By similarity).
AA sequence	MSAAPGLLHQELSCPLCLQLFDAPVTAECGHSFCRACLGRVAGEPAADGTVLCP CCQAPTRPQALSTNLQLARLVEGLAQVPQGHCEEHLPLSIYCEQDRALVCGVC ASLGSHRGHRLLPAAEAHARLKTQLPQQKLQLQEACMRKEKSVAVLEHQLVEV EETVRQFRGAVGEQLGKMRVFLAALEGLDREAERVGEAGVALRRELGSLNSY LEQLRQMEKVL EEVADKPQT EFLMKYCLVTSRLQKILAESPPPARLDIQLPIIS