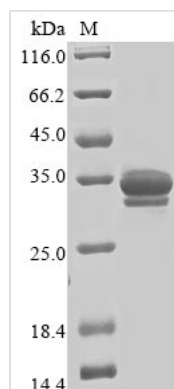




Recombinant Human Tripartite motif-containing protein 72 (TRIM72), partial

Product Code	CSB-BP744394HU
Abbreviation	Recombinant Human TRIM72 protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6ZMU5
Form	Liquid or Lyophilized powder
Storage Buffer	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.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MSAAPGLLHQELSCPLCLQLFDAPVTAECGHSFCRACLGRVAGEPAADGTVL CPCCQAPTRPQALSTNLQLARLVEGLAQVPQGHCEEHLPLSIYCEQDRALV CGVCASLGSHRGHRLLPAAEAHARLKTQLPQQKLQLQEACMRKEKSVAVLEH QLVEVEETVRQFRGAVGEQLGKMRVFLAALEGSLDREAERVGEAGVALRRE LGSLNSYLEQLRQMEKVL EEVADKPQTEFLMKYCLVTSRLQKILAESPPPARL DIQLPIIS
Research Area	Transport
Source	Baculovirus
Target Names	TRIM72
Expression Region	1-269aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	33.4 kDa
Protein Length	partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The region for expressing recombinant Human TRIM72 contains amino acids 1-269. The calculated molecular weight for this TRIM72 protein is 33.4 kDa. This TRIM72 protein is produced using baculovirus expression system. The TRIM72 gene fragment has been modified by fusing the N-terminal 10xHis tag and C-terminal Myc tag, providing convenience in detecting and purifying the recombinant TRIM72 protein during the following stages.

The human tripartite motif-containing protein 72 (TRIM72), also known as MG53, is a member of the tripartite motif (TRIM) protein family. TRIM72 is predominantly expressed in skeletal and cardiac muscle tissues. It plays a crucial role in membrane repair and maintenance of muscle integrity. TRIM72 is involved in the repair of plasma membrane injuries in response to mechanical stress or damage. It facilitates the resealing of membrane disruptions by interacting with phosphatidylserine exposed to the injured membrane. Additionally, TRIM72 has been implicated in various physiological processes, including muscle regeneration and adaptation to exercise. Understanding TRIM72's functions may have implications for therapeutic strategies targeting muscle-related disorders and injuries.

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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