Recombinant Human TRIM72 protein, His/S-tagged

Cat. No. TRIM72-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRIM72 fused with His/S tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The tripartite motif (TRIM) family of proteins are characerized by a conserved TRIM domain that includes a coiled-coil region, a B-box type zinc finger, one RING finger and three zinc-binding domains. TRIM72 (tripartite motif containing 72), also known as MG53, is a 477 amino acid cytoplasmic vesicle membrane protein that belongs to the TRIM/RBCC family. Existing as a homooligomer, TRIM72 contains one B box-type zinc finger, one B30.2/SPRY domain and a RING-type zinc finger. TRIM72 is considered a muscle-specific protein that plays a central role in cell membrane repair by nucleating the assembly of the repair machinery at injury sites. TRIM72 is required for transport of dysferlin to sites of cell injury during repair patch formation. TRIM72 also regulates membrane budding and exocytosis and may be involved in the regulation of the mobility of KV2.1-containing endocytic vesicles. TRIM72 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 16p11.2.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

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GENE INFORMATION

Gene Name	TRIM72 tripartite motif containing 72 [Homo sapiens]
Official Symbol	TRIM72
Synonyms	TRIM72; tripartite motif containing 72; tripartite motif-containing protein 72; mitsugumin-53; tripartite motif-containing 72; MG53;
Gene ID	493829
mRNA Refseq	NM_001008274
Protein Refseq	NP_001008275
MIM	613288
UniProt ID	Q6ZMU5
Chromosome Location	16p11.2
Function	metal ion binding; phosphatidylserine binding; zinc ion binding;

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