

Recombinant Rat Trim72 protein, His/S-tagged

Cat. No. Trim72-158R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Trim72 fused with His/S tag was expressed in E. coli.
Species	Rat
Source	E.coli
Description	The tripartite motif (TRIM) family of proteins are characterized 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 [Rattus norvegicus]
Official Symbol	Trim72
Synonyms	TRIM72; tripartite motif-containing 72; tripartite motif-containing protein 72; mg53; mitsugumin-53; RGD1562778; MGC156817;
Gene ID	365377
mRNA Refseq	NM_001077675
Protein Refseq	NP_001071143
UniProt ID	A0JPQ4
Chromosome Location	1q37
Function	metal ion binding; phosphatidylserine binding; phosphatidylserine binding; zinc ion binding;

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