

Recombinant Human TRIM63

Cat. No. TRIM63-30260TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 254-352 of Human MURF1 with a proprietary tag; Predicted MWt 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	This gene encodes a member of the RING zinc finger protein family found in striated muscle and iris. The product of this gene is localized to the Z-line and M-line lattices of myofibrils, where titins N-terminal and C-terminal regions respectively bind to the sarcomere. In vitro binding studies have shown that this protein also binds directly to titin near the region of titin containing kinase activity. Another member of this protein family binds to microtubules. Since these family members can form heterodimers, this suggests that these proteins may serve as a link between titin kinase and microtubule-dependent signal pathways in muscle.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DKSTKLVETAIQSLDEPGGATFLLTAKQLIKSIVEASKGCQLGKTEQQGFENMDFFTLD LEHIADALRAIDFGTDEEEEEFIEEEDQEEEEESTEGKEEGH
Sequence Similarities	Contains 1 B box-type zinc finger. Contains 1 COS domain. Contains 1 RING-type zinc finger.

GENE INFORMATION

Gene Name	TRIM63 tripartite motif containing 63 [Homo sapiens]
Official Symbol	TRIM63
Synonyms	TRIM63; tripartite motif containing 63; ring finger protein 28 , RNF28, tripartite motif containing 63; E3 ubiquitin-protein ligase TRIM63; IRF; iris ring finger protein; MURF 1; muscle specific RING finger protein 1; SMRZ; striated muscle RING zinc fing
Gene ID	84676
mRNA Refseq	NM_032588
Protein Refseq	NP_115977
MIM	606131

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Uniprot ID	Q969Q1
Chromosome Location	1p34-p33
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;
Function	ligase activity; metal ion binding; signal transducer activity; titin binding; zinc ion binding;

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