

Recombinant Human TRIM37

Cat. No. TRIM37-31610TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human TRIM37 with an N-terminal proprietary tag; Predicted MW 36.63 kDa
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a member of the tripartite motif (TRIM) family, whose members are involved in diverse cellular functions such as developmental patterning and oncogenesis. The TRIM motif includes zinc-binding domains, a RING finger region, a B-box motif and a coiled-coil domain. The RING finger and B-box domains chelate zinc and might be involved in protein-protein and/or protein-nucleic acid interactions. The gene mutations are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin. Alternatively spliced transcript variants encoding the same protein have been identified.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Ubiquitous.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% 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	GHLEGLQMTDLENNSETGELQPVLPEGASAAPEEGMSSSDSDIECDTENEEQEEHTS VGGFHDSFMVMTQPPDEDTHSSFPDGEQIGPEDLSFNTDENSGR
Sequence Similarities	Belongs to the TRIM/RBCC family.Contains 1 B box-type zinc finger.Contains 1 MATH domain.Contains 1 RING-type zinc finger.

GENE INFORMATION

Gene Name	TRIM37 tripartite motif containing 37 [Homo sapiens]
Official Symbol	TRIM37
Synonyms	TRIM37; tripartite motif containing 37; MUL, tripartite motif containing 37; E3 ubiquitin-protein ligase TRIM37; KIAA0898; POB1; RING B box coiled coil protein; TEF3;
Gene ID	4591
mRNA Refseq	NM_001005207
Protein Refseq	NP_001005207
MIM	605073

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Uniprot ID	O94972
Chromosome Location	17q
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; protein binding; zinc ion binding;

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