Recombinant Human TRIM37, GST-tagged

Cat. No. TRIM37-199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human TRIM37 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	TRIM37 or tripartite motif containing 37 is 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. Mutations in TRIM37 are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~140 kDa
Purity	>80% by densitometry
Applications	Western Blot

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μl

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; mulibrey nanism protein; RING-B-box-coiled-coil protein; tripartite motif-containing 37; tripartite motif-containing protein 37; MUL;
Gene ID	4591
mRNA Refseq	NM_001005207
Protein Refseq	NP_001005207
MIM	605073
UniProt ID	O94972
Chromosome Location	17q
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing:

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	Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;
Function	ligase activity; metal ion binding; protein binding; zinc ion binding;

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