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Product datasheet for RC224302L4V

TRIM37 (NM_015294) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRIM37 (NM_015294) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRIM37
Synonyms:	MUL; POB1; TEF3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015294
ORF Size:	2892 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC224302).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_015294.2
RefSeq Size:	4488 bp
RefSeq ORF:	2895 bp
Locus ID:	4591
UniProt ID:	O94972
Cytogenetics:	17q22
Domains:	zf-B_box, MATH, BBC
Protein Families:	Druggable Genome

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Protein Pathways: Ubiquitin mediated proteolysis

MW: 107.7 kDa

Gene Summary: 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. Mutations in this gene are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin. TRIM37 localizes in peroxisomal membranes, and has been implicated in human peroxisomal biogenesis disorders. [provided by RefSeq, Jul 2020]