

Product datasheet for RC205948L2

OriGene Technologies, Inc.

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TRIM37 (NM_001005207) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TRIM37 (NM_001005207) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: TRIM37

Synonyms: MUL; POB1; TEF3

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

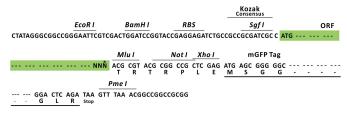
Sequence:

The ORF insert of this clone is exactly the same as(RC205948).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001005207

ORF Size: 2892 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001005207.1</u>

 RefSeq Size:
 3588 bp

 RefSeq ORF:
 2895 bp

 Locus ID:
 4591

 UniProt ID:
 094972

Cytogenetics: 17q22

Protein Families: Druggable Genome

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]