

Product datasheet for RC228361L4

TRIM64B (NM_001164397) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: mGFP

Symbol: TRIM64B

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC228361).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sequence diagram showing restriction enzyme cleavage sites: *SgfI* (GCG), *ORF* (ATG-NNN*), and *MluI* (ACG CGT).

The diagram illustrates the pET28a(+) vector structure. At the top, the **Kozak Consensus** sequence is shown in green: ATG --- --- ---. Below it, the **ORF** (Open Reading Frame) is indicated by a green bar. The vector features several restriction enzyme sites: **EcoRI**, **BamHI**, **RBS** (Ribosome Binding Site), **SgfI**, **MluI**, **NotI**, **XbaI**, and the **mGFP Tag**. The **RBS** is positioned between **BamHI** and **SgfI**. The **MluI**, **NotI**, and **XbaI** sites are clustered together. The **mGFP Tag** is located downstream of **XbaI**. The **EcoRI** and **BamHI** sites are at the very ends of the vector. Below the vector map, a table provides the nucleotide sequence for each restriction site, with the first three bases (NNN) highlighted in green. The sequence for **MluI** is: ACG CCG T R T R P L E. For **NotI**: ACG CCG T CTC GAG ATG M A G G G G C G G G G. For **XbaI**: ACG CCG T CTC GAG ATG M A G G G G C G G G G. The **mGFP Tag** sequence is: ATG S G G G G C G G G G C G G G G. Below the table, the corresponding amino acid sequence is given: G G A C T C A G A G T T T G G G T A G G A A G C. The first three amino acids (GGA) correspond to the green-highlighted NNN sequence.

* The last codon before the Stop codon of the ORF.

ACCN: NM 001164397

ORF Size: 1347 bp

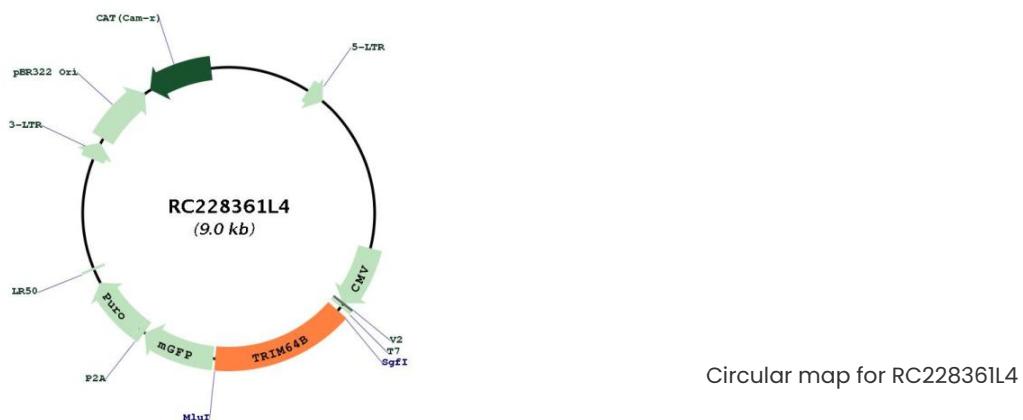


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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001164397.1
RefSeq ORF:	1350 bp
Locus ID:	642446
UniProt ID:	A6NI03
Cytogenetics:	11q14.3
Protein Families:	Druggable Genome
MW:	51.4 kDa

Product images:

Circular map for RC228361L4