

Product datasheet for RC224744L4

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TIMM50 (NM_001001563) Human Tagged Lenti ORF Clone

Product data:

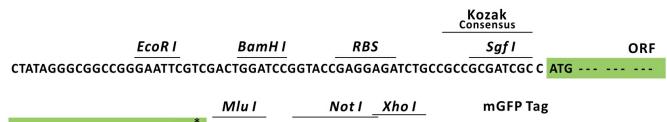
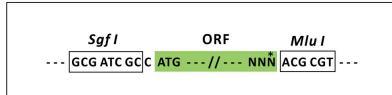
Product Type:	Expression Plasmids
Tag:	mGFP
Symbol:	TIMM50
Synonyms:	MGCA9; TIM50; TIM50L
Mammalian Cell	Puromycin
Selection:	
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224744).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



CTATAGGGCGGCCGGAAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGC C ATG --- --- ---

----- NNN* ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC --- --- ---

----- GGA CTC AGA GTT TGG GTA GGA AGC

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

ACCN: NM_001001563

ORF Size: 1368 bp

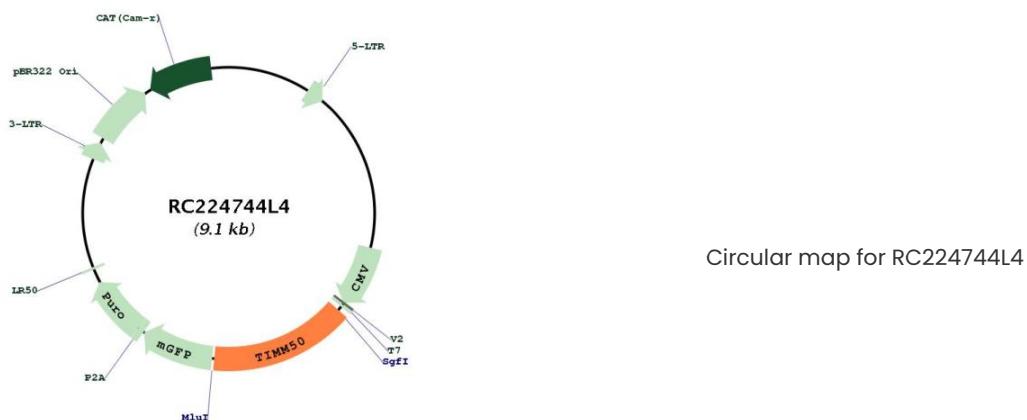


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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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_001001563.1 , NP_001001563.1
RefSeq Size:	2572 bp
RefSeq ORF:	1062 bp
Locus ID:	92609
UniProt ID:	Q3ZCQ8
Cytogenetics:	19q13.2
MW:	50.5 kDa
Gene Summary:	This gene encodes a subunit of the TIM23 inner mitochondrial membrane translocase complex. The encoded protein functions as the receptor subunit that recognizes the mitochondrial targeting signal, or presequence, on protein cargo that is destined for the mitochondrial inner membrane and matrix. This protein may also play a role in maintaining the membrane permeability barrier, and knockdown of this gene in human cells results in the release of cytochrome c and apoptosis. [provided by RefSeq, Jul 2016]

Product images:

Circular map for RC224744L4