

Product datasheet for **MG201454**

Prelid3a (NM_144867) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prelid3a (NM_144867) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prelid3a
Synonyms: A230074A19Rik; BC019561; Prelid3a; Slmo1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201454 representing NM_144867
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGATCTGGAGCTCGGAGCACGTGTTCCGCCATCCCTGGGACACGGTGATCAAGGGGCCATGCGGA
 AGTACCCTAACCCGATGAACCCCTGCGTCGTGGGCGTGGATGTGCTGGAGCGCAGCGTGGATGGCTGTGG
 GCGCCTGCACAGTCTGCGCCTGCTCAGTACCGAATGGGGCTGCCTGGCCTCGTGCAGCGATTTTGGGA
 GCCAACAGGACCTTGACGTACATCAAAGAGCGCTCCGTCGTGGATCCGGCTGCCAGGAAATGGAGCTGT
 GCTCCACCAATATCACGCTCACGAATCTGGTGTCAGTGAATGAGAGGTTGGTGTACACACCTCATCCAGA
 GAACCCTGAAAAGACTGTGCTCACTCAAGAAGCCATCATCACTGTGAAGGGAATTAGCTTGGGGAGCTAC
 CTGGAAAGTCTGATGGCCACCACGATATCTCCAATGCTAAGAAGGGTGGGCTGCCATTGAGTGGATAA
 TTGAACATTCCGAGAGCGCCATAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201454 representing NM_144867
 Red=Cloning site Green=Tags(s)

MKIWSSEHVFHGPWDTVIKAAMRKYPNPMNPCVGVVDLERSVDGCGRLHSLRLLSTEWGLPGLVRAILG
 ANRTLTYIKERSVVDPAARKMELCSTNITLTLNLSVNERLVYTPHPENPEKTVLTQEAIITVKGISLGSY
 LESLMATTISSNAKKGWAAIEWIIEHSES AIS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

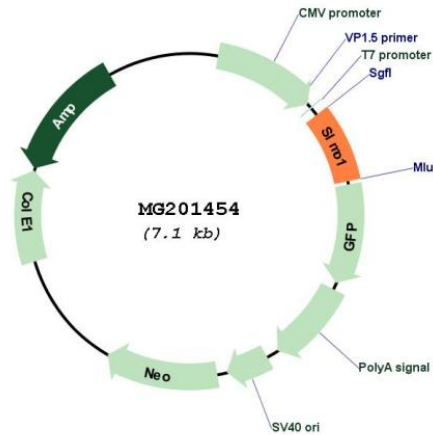


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Cloning Scheme:



Plasmid Map:



ACCN: NM_144867

ORF Size: 516 bp

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.
RefSeq:	<u>NM_144867.2</u> , <u>NP_659116.1</u>
RefSeq Size:	2167 bp
RefSeq ORF:	519 bp
Locus ID:	225655
UniProt ID:	<u>Q8VE85</u>
Cytogenetics:	18 E1
Gene Summary:	In vitro, the TRIAP1:PRELID3A complex mediates the transfer of phosphatidic acid (PA) between liposomes and probably functions as a PA transporter across the mitochondrion intermembrane space. Phosphatidic acid import is required for cardiolipin (CL) synthesis in the mitochondrial inner membrane.[UniProtKB/Swiss-Prot Function]