

Product datasheet for **MG201166**

Prelid1 (BC024813) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prelid1 (BC024813) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prelid1
Synonyms: 2610524G07Rik; Preli
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201166 representing BC024813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACGTTGGGCAGAGCGACTGTTTCCTGCCAACGTTGCTCACTCCGTGTACATCCTGGAGGACTCTA
 TTGTGGACCCCAAGAATCAGACCATGACCACCTTCACCTGGAACATCAACCATGCCCGGCTGATGGTGGT
 GGAGGAACGATGTGTTTACTGTGTGAACCTGACAATAGCGGCTGGACCGAAATCCGTCGGGAAGCCTGG
 GTCTCCTTAGCTTATTTGGCGTCTCCAGAGCTGTCCAGGAATTTGGTCTTGCCCGTTCAAAGCAATG
 TGACCAAGACAATGAAGGGCTTTGAATACATCCTGGCCAAGCTACAAGGTGAGGCCCTTCCAAAACCTT
 TGTGAGACAGCCAAAGAGGCCAAAGAGAAAGCAAAGGAGACCGACTGGCAGCTACAGAGAAGGCCAAG
 GACCTGGCCAACAAGGCCGCCACCAAGCAGCAGCAGCGGCAGCTCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201166 representing BC024813
 Red=Cloning site Green=Tags(s)

MPRWAERLFPANVAHSVYILEDIVDPQNTMTTFTWNIHARLMVVEERCVCVNSDNSGWTEIRREAW
 VSSSLFGVSRVQEFGLARFKSNVTKTMKGFYILAKLQGEAPSKTLVETAKEAKEKAKETALAAATEKAK
 DLANKAATKQQRQLV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: BC024813

ORF Size: 470 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:

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: [BC024813](#), [AAH24813](#)

RefSeq Size: 899 bp

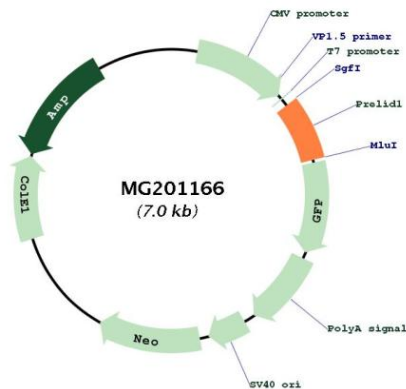
RefSeq ORF: 470 bp

Locus ID: 66494

Cytogenetics: 13 B1

Gene Summary:

Involved in the modulation of the mitochondrial apoptotic pathway by ensuring the accumulation of cardiolipin (CL) in mitochondrial membranes. In vitro, the TRIAP1:PRELID1 complex mediates the transfer of phosphatidic acid (PA) between liposomes and probably functions as a PA transporter across the mitochondrion intermembrane space to provide PA for CL synthesis in the inner membrane. Regulates the mitochondrial apoptotic pathway in primary Th cells. Regulates Th cell differentiation by down-regulating STAT6 thereby reducing IL-4-induced Th2 cell number. May be important for the development of vital and immunocompetent organs (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG201166