

Product datasheet for **MG202413**

Prelid1 (NM_025596) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
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: >MG202413 representing NM_025596
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGAAGTATTTCTGGCCAGAGCGTGCTCCGAAGTTCCTGGACCAAGTGTTCGCCGCTTCTGGC
AACGGTACCGAATCCCTATAGCAAACATGTCTTAACCGAAGACATAGTGCACCGGGAGGTGACCCCGA
CCAGAAGCTACTGTCCCGGAGACTCCTGACCAAGACCAACAGGATGCCACGTTGGGCAGAGCGACTGTT
CCTGCCAACGTTGCTCACTCCGTGTACATCCTGGAGGACTCTATTGTGGACCCCAAGATCAGACCATGA
CCACCTTCACCTGGAACATCAACCATGCCCGGCTGATGGTGGTGGAGGAACGATGTGTTACTGTGTGAA
CTCTGACAATAGCGGCTGGACCGAAATCCGTCCGGAAGCCTGGGTCTCCTCTAGCTTATTTGGCGTCTCC
AGAGCTGTCCAGGAATTTGGTCTTGCCCGTTCAAAGCAATGTGACCAAGACAATGAAGGGCTTTGAAT
ACATCCTGGCCAAGCTACAAGGTGAGGCCCTTCCAAAACCCTTGTGAGACGCCAAAGAGCCAAAGA
GAAAGCAAAGGAGACCGCACTGGCAGCTACAGAGAAGGCCAAGGACCTGGCCAACAAGCCGCCACCAAG
CAGCAGCAGCGGCGACTCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202413 representing NM_025596
Red=Cloning site Green=Tags(s)

MVKYFLGQSVLRSSWDQVFAAFWQRYPNPYSKHVLTEDIVHREVTDPQKLLSRLLTKNRMPRWAERLF
PANVAHSVYILEDIVDPQNQTMTTFTWNIHARLMVVEERCVCVNSDNGWTEIRREAWVSSSLFGVS
RAVQEFGLARFKSNVTKTMKGFEYILAKLQGEAPSKTLVETAKEAKEKAKETALAATEKAKDLANKAATK
QQQRQLV

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025596

ORF Size: 651 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.

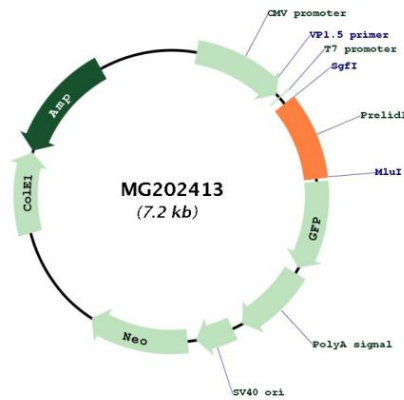
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025596.5](#), [NP_079872.4](#)

RefSeq Size:	1103 bp
RefSeq ORF:	654 bp
Locus ID:	66494
UniProt ID:	Q8R107
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 MG202413