

## Product datasheet for **MC201658**

### Prelid1 (NM\_025596) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prelid1 (NM\_025596) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prelid1  
**Synonyms:** 2610524G07Rik; Preli  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC025859 sequence for NM\_025596  
 GCGGTAGGGACCTGGGCGCGTCTGCGGAGATTGAGCTGCGAGCCTGGCGGGCGTGCCTAGCCACGT  
 CCCCCCACCCTGGGCTCTTACCCCTGATGCTGCACGGGTGCTGAGCCCGTCCGGGTCGGGACGATGGT  
 GAAGTATTTCTGGGCCAGAGCGTGTCCGAAGTTCCTGGGACCAAGTGTTCGCCGCTTCTGGCAACGG  
 TACCCGAATCCCTATAGCAAACATGTCTTAACCGAAGACATAGTGCACCGGGAGGTGACCCCGACCAGA  
 AGCTACTGTCCCGGAGACTCCTGACCAAGACCAACAGGATGCCACGTTGGGCAGAGCGACTGTTTCTGC  
 CAACGTTGCTCACTCCGTGTACATCCTGGAGGACTCTATTGTGGACCCCAAGATCAGACCATGACCACC  
 TTCACCTGGAACATCAACCATGCCCGGCTGATGGTGGTGGAGGAACGATGTGTTTACTGTGTGAACCTG  
 ACAATAGCGGCTGGACCGAAATCCGTGGGAAGCCTGGGTCTCCTCTAGCTTATTTGGCGTCTCCAGAGC  
 TGTCAGGAATTTGGTCTTGCCCGTTCAAAGCAATGTGACCAAGACAATGAAGGGCTTTGAATACATC  
 CTGGCCAAGCTACAAGGTGAGGCCCTTCCAAAACCTTGTGAGACAGCCAAAGAGGCCAAAGAGAAAAG  
 CAAAGGAGACCGCACTGGCAGCTACAGAGAAGGCCAAGGACCTGGCCAACAAGGCCGCCACCAAGCAGCA  
 GCAGCGGCAGCTCGTATAACTCGCTTCCCTCTCCCTCTCCCAAGTGTACGTGATTATTAAGGCAACCTG  
 CAGCCCTCTGTGTCTGGGGTGGTGGGTCAGGGCCCTGTCTGGTCAGCATCTGCACCACACCAGCT  
 CTGTCTGCCGGGCAGAGGGGTGCAGTACTTGCCCAAGGTCACAGCAGTGCAGGATGATAGACTGTACG  
 CTCCAAGAGGGCAGGGCTCCTGTTTTATTCTGTGTGTCCCAAGTACCCTGAACAATATTTAGCACA  
 TAACAGGCACTCAATAAACACATGATTTGATTAGCCCCAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_025596

**Insert Size:** 654 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC025859</a></u> , <u><a href="#">AAH25859</a></u>
<b>RefSeq Size:</b>	1103 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	66494
<b>UniProt ID:</b>	<u><a href="#">Q8R107</a></u>
<b>Cytogenetics:</b>	13 B1
<b>Gene Summary:</b>	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]