

## Product datasheet for **MR201166**

### Prelid1 (BC024813) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prelid1 (BC024813) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Prelid1  
**Synonyms:** 2610524G07Rik; Preli  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201166 representing BC024813  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201166 representing BC024813  
Red=Cloning site Green=Tags(s)

MPRWAERLFPANVAHSVYILEDIVDPQNQTMTTFTWNINHARLMVVEERCYYCVNSDNSGWTEIRREAW  
VSSSLFGVSRVQEFGLARFKSNVTKTMKGFYILAKLQGEAPSKTLVETAKEAKEKAKETALAATEKAK  
DLANKAATKQQRQLV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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RefSeq ORF: 470 bp

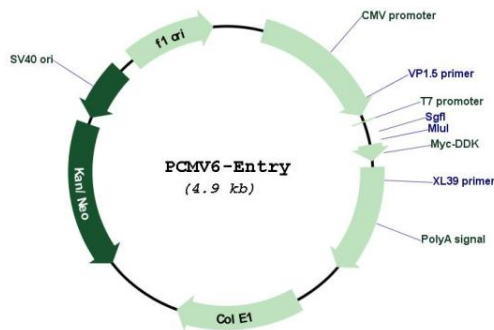
Locus ID: 66494

Cytogenetics: 13 B1

MW: 32.9 kDa

**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 MR201166