

## **Product datasheet for MR227696**

# Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

### Gimap4 (NM 001243201) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Gimap4 (NM\_001243201) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Gimap4

**Synonyms:** AU019574; E430007K16Rik; I; Ian-1; Ian1; Imap4

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR227696 representing NM\_001243201
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAAGTCCAGTGCGGTGCTGCGGGGTTCATCCCAGAAAGTTCAAGGAGCAGCCATGAGCTTGGAAACC
AAGATCAAGGAATTCCCCAACTGAGAATTGTCTTACTTGGAAAAACTGGAGCAGGAAAGAGTTCAACAGG

GAACATGCTCACCCCCCCGATGCCCAAATGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR227696 representing NM\_001243201

Red=Cloning site Green=Tags(s)

 ${\tt MEVQCGGAGFIPESSRSSHELGNQDQGIPQLRIVLLGKTGAGKSSTGNMLTPPDAQML}$ 

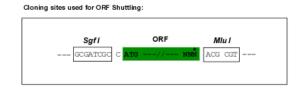
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

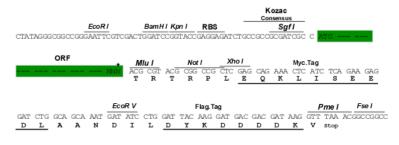
Restriction Sites: Sgfl-Mlul





#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001243201

ORF Size: 174 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: <u>NM 001243201.1</u>, <u>NP 001230130.1</u>

RefSeq Size: 906 bp



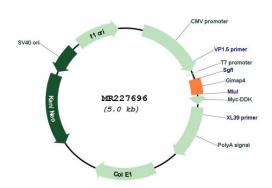
RefSeq ORF: 177 bp
Locus ID: 107526
Cytogenetics: 6 B2.3
MW: 6.5 kDa

**Gene Summary:** This gene encodes a protein belonging to the GTP-binding superfamily and to the immuno-

associated nucleotide (IAN) subfamily of nucleotide-binding proteins. This gene exists within a cluster of other related genes located on mouse chromosome 6. This family member encodes a lymphoid signaling protein that functions to accelerate programmed T-cell death, which appears to correlate with the phosphorylation status of the protein. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Aug 2011]

# **Product images:**



Circular map for MR227696