

## Product datasheet for MR228579

### Gimap4 (NM\_001243199) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Gimap4 (NM_001243199) Mouse Tagged ORF Clone                      |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Gimap4  |
| Synonyms:                 | AU019574; E430007K16Rik; I; lan-1; lan1; lmap4                    |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR228579 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTCCAGTGCAGTGGTGCAGGGTTCATCCAGAAAGTCAAGGAGCAGCCATGAGCTTGGAAACC  
AAGATCAAGGAATCCCCAACTGAGAATTGTCTTACTTGGAAAACTGGAGCAGGAAAGAGTTCAACAGG  
GAACAGTATCCTGGGGAAAAAGTGTAAATTCTGGCATTGTGCAAAATCCATCACCAAGGTCTGTGAA  
AAAAGGTGAGCACCTGGGATGGGAAAGAGCTTGTGTCGTGGATACACCTGGTATTTTTGACACTGAGG  
TACCAGATGCTGACACACAAAGGGAGATCACTCGCTATGTTGCCCTGACCTCTCCAGGGCCTCATGCTCT  
GCTCCTGGTAGTTCCACTGGGGCGTTATACTGTGGAAGAACACAAGGCTACACAGAAAATTCTGGACATG  
TTTGGAAAACAGGCTAGAAGATTCATGATTCTCTTGTCTCACCAGGAAGGATGACTTAGAAGACACTGATA  
TCCATGAGTACTTAGAGAAGGCTCCTAAATCTTTCAAGAGGTGATGCATGAGTTCCAGAATCGCTACTG  
TTTGTTCACAACAGAGCCTCAGGCGTGAAAAGGAAGAGCAGAAGATGCAATTGTTGACCTTGGTCCAG  
AGCATGTTTCTGTCTTCCAGGATGAAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228579 protein sequence  
 Red=Cloning site Green=Tags(s)

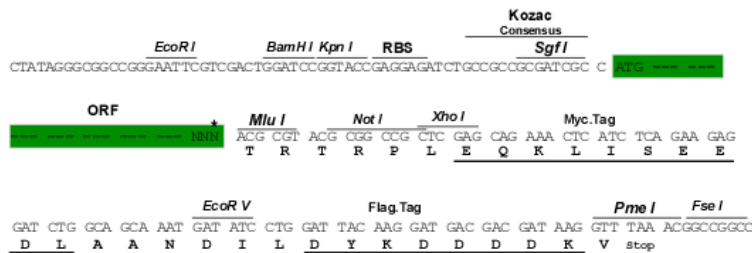
MEVQCGGAGFIPESRSSHELGNQDQGIPQLRIVLLGKTGAGKSSSTGNSILGEKVFNSGICAKSITKVCE  
 KRVSTWDGKELVVVDTPGIFDTEVPDADTQREITRYVALTSPGPHALLLVVPLGRYTVVEHKATQKILDM  
 FGKQARRFMILLTRKDDLEDTDIHEYLEKAPKFFQEVMHFQNRVCLFNNRASGAKEEQKMQLLTLVQ  
 SMFLSSRMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001243199

**ORF Size:** 660 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:** [NM\\_001243199.1](#), [NP\\_001230128.1](#)

**RefSeq Size:** 1365 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 107526

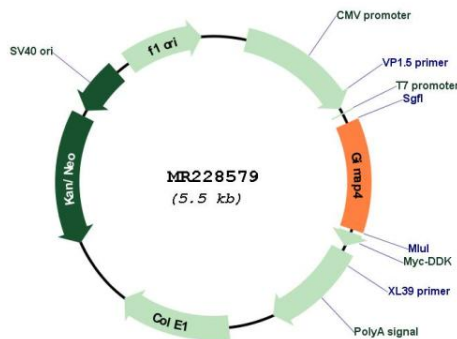
**UniProt ID:** [Q99JY3](#)

**Cytogenetics:** 6 B2.3

**MW:** 24.6 kDa

**Gene Summary:** This gene encodes a protein belonging to the GTP-binding superfamily and to the immun-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 MR228579