

Product datasheet for **MG219283**

Gimap4 (NM_174990) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap4 (NM_174990) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gimap4
Synonyms:	AU019574; E430007K16Rik; I; lan-1; lan1; lmap4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219283 representing NM_174990 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCCAGTGCAGTGGTGCAGGGTTCATCCAGAAAGTTCAAGGAGCAGCCATGAGCTTGAAACC
AAGATCAAGGAATCCCAACTGAGAATTGTCTTACTTGGAAAACTGGAGCAGGAAAGAGTTCAACAGG
GAACAGTATCCTTGGGGAAAAAGTGTAAATTCTGGCATTGTGCAAAATCCATCACCAAGGTCTGTGAA
AAAAGGTGAGCACCTGGGATGGGAAAGAGCTTGTGTCGTGGATACACCTGGTATTTTACACTGAGG
TACCAGATGCTGACACACAAAGGAGATCACTCGCTATGTTGCCCTGACCTCTCCAGGGCCTCATGCTCT
GCTCCTGGTAGTTCCACTGGGGCGTTATACTGTGGAAGAACACAAGGCTACACAGAAAATCTGGACATG
TTTGGAAAACAGGCTAGAAGATTCATGATTCTCTTGTCTCACCAGGAAGGATGACTTAGAAGACACTGATA
TCCATGAGTACTTAGAGAAGGCTCCTAAATCTTTCAAGAGGTGATGCATGAGTTCAGAATCGCTACTG
TTTGTTCACAACAGAGCCTCAGGCGTGAAAAGGAAGAGCAGAAGATGCAATTGTTGACCTTGGTCCAG
AGCATGGTGAGGGAAAAATGGTGGAAAGATGCTTTACTAATAAGATGTATGAAAAGTCCCGAGTGTGTATCC
AGAAAGAGACCTTGAGGATGCAAGAATTATACAGAGAGGAGCTAGAGAGGGAGAAAGCACGGATAAGACG
GGAGTATGAAGAACAGATTAAGATCTGAGAGATGAACTGGAGAGGGAAAATAAGAAGGCCACGTATGGAG
AGGGAATTCAGGAGAGGGAGGCTATCTTTACAAGAATCAACAAAATGCTAGGAAGGAAGTTGAGAACA
CAAGTATGATACTTGAATTAATTATAAAAGCATGGGAGATTGCTTCCTTTATCTCAACCAAGTTTATGAA
AGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219283 representing NM_174990
Red=Cloning site Green=Tags(s)

```
MEVQCGGAGFIPSSRSSHELGNQDQGIPQLRIVLLGKTGAGKSSTGNSILGEKVFNSGICAKSITKVCE
KRVSTWDGKELVVVDTPGIFDTEVPDADTQREITRYVALTSPGPHALLLVPLGRYTVVEHKATQKILDM
FGKQARRFMILLTRKDDLEDTDIHEYLEKAPKFFQEVMEHFQNRVCLFNNRASGAKEEQKMQLLTLVQ
SMVRENGGRCFTNKMYESAECVIQKETLRMQEL YREELEREKARIRREYEEQIKDLRDELEREIRRARME
REFKEREAIFTKNQQRARKEVENTSMILELIIKAWEIASFIFNQFMKD
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_174990

ORF Size: 984 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_174990.4](#), [NP_778155.2](#)

RefSeq Size: 1814 bp

RefSeq ORF: 987 bp

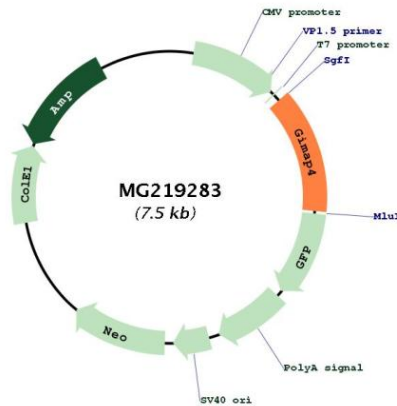
Locus ID: 107526

UniProt ID: [Q99JY3](#)

Cytogenetics: 6 B2.3

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 MG219283