

Product datasheet for MR202489

Gimap4 (BC005577) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap4 (BC005577) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gimap4
Synonyms:	MGC11734, IMAP4, mIAN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202489 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCCAGTGCAGTGGTGCAGGGTTCATCCAGAAAGTCAAGGAGCAGCCATGAGCTTGGAAACC
AAGATCAAGGAATCCCCAACTGAGAATTGTCTTACTTGGAAAACTGGAGCAGGAAAGAGTTCAACAGG
GAACAGTATCCTGGGGAAAAAGTGTAAATTCTGGCATTGTGCAAAATCCATCACCAAGGTCTGTGAA
AAAAGGTGAGCACCTGGGATGGGAAAGAGCTTGTGTCGTGGATACACCTGGTATTTTTGACACTGAGG
TACCAGATGCTGACACACAAAGGAGATCACTCGCTATGTTGCCCTGACCTCTCCAGGGCCTCATGCTCT
GCTCCTGGTAGTTCCACTGGGGCGTTATACTGTGGAAGAACACAAGGCTACACAGAAAATCTGGACATG
TTTGGAAAACAGGCTAGAAGATTCATGATTCTCTTGTCTCACCAGGAAGGATGACTTAGAAGACACTGATA
TCCATGAGTACTTAGAGAAGGCTCCTAAATCTTTCAAGAGGTGATGCATGAGTTCAGAATCGCTACTG
TTTGTTCACAACAGAGCCTCAGGCGCTGAAAAGGAAGAGCAGAAGATGCAATTGTTGACCTTGGTCCAG
AGCATGTTTCTGTCTTCCAGGATGAAG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202489 protein sequence
 Red=Cloning site Green=Tags(s)

MEVQCGGAGFIPSSRSSHELGNQDQGIPQLRIVLLGKTGAGKSSSTGNSILGEKVFNSGICAKSITKVCE
 KRVSTWDGKELVVVDTPGIFDTEVPDADTQREITRYVALTSPGPHALLLVVPLGRYTVVEHKATQKILDM
 FGKQARRFMILLTRKDDLEDTDIHEYLEKAPKFFQEVMHFQNRVCLFNNRASGAKEEQMKQLLLTLVQ
 SMFLSSRMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC005577

ORF Size: 657 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: [BC005577](#), [AAH05577](#)

RefSeq Size: 1364 bp

RefSeq ORF: 659 bp

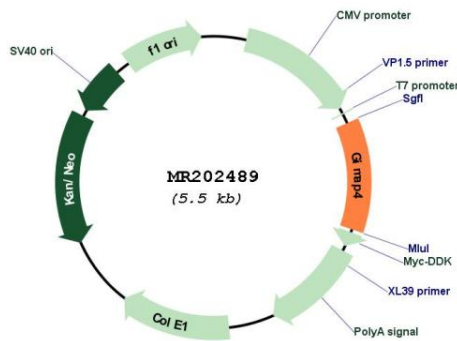
Locus ID: 107526

Cytogenetics: 6 B2.3

MW: 24.6 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 MR202489