

Product datasheet for **MG202489**

Gimap4 (BC005577) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap4 (BC005577) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gimap4
Synonyms:	MGC11734, IMAP4, mIAN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202489 representing BC005577 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCCAGTGCAGTGGTGCAGGGTTCATCCAGAAAGTTCAAGGAGCAGCCATGAGCTTGGAAACC
AAGATCAAGGAATCCCAACTGAGAATTGTCTTACTTGGAAAACTGGAGCAGGAAAGAGTTCAACAGG
GAACAGTATCCTTGGGAAAAAGTGTAAATTCTGGCATTGTGCAAAATCCATCACCAAGGTCTGTGAA
AAAAGGTGAGCACCTGGGATGGGAAAGAGCTTGTGTCGTGGATACACCTGGTATTTTACACTGAGG
TACCAGATGCTGACACACAAAGGAGATCACTCGCTATGTTGCCCTGACCTCTCCAGGGCCTCATGCTCT
GCTCCTGGTAGTTCCACTGGGGCCTTATACTGTGGAAGAACACAAGGCTACACAGAAAATCTGGACATG
TTTGGAAAACAGGCTAGAAGATTCATGATTCTCTTGTCTACCAGGAAGGATGACTTAGAAGACACTGATA
TCCATGAGTACTTAGAGAAGGCTCCTAAATCTTTCAAGAGGTGATGCATGAGTTCCAGAATCGCTACTG
TTTGTTCACAAACAGAGCCTCAGGCGTGAAAAGGAAGAGCAGAAGATGCAATTGTTGACCTTGGTCCAG
AGCATGTTTCTGTCTTCCAGGATGAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202489 representing BC005577
 Red=Cloning site Green=Tags(s)

MEVQCGGAGFIPSSRSSHELGNQDQGIPQLRIVLLGKTGAGKSSTGNSILGEKVFNSGICAKSITKVCE
 KRVSTWDGKELVVVDTPGIFDTEVPDADTQREITRYVALTSPGPHALLLVVPLGRYTVVEHKATQKILDM
 FGKQARRFMILLTRKDDLEDTDIHEYLEKAPKFFQEVMEHFQNRVCLFNNRASGAKEEQKMLLLTLVQ
 SMFLSSRMK

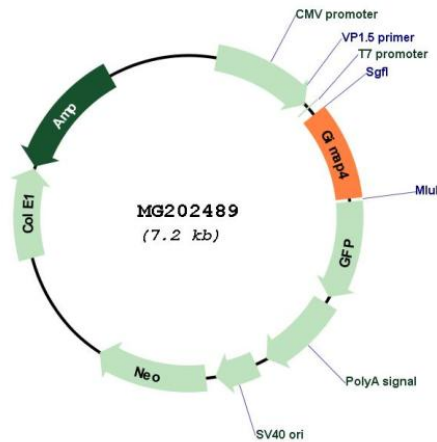
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC005577

ORF Size: 659 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:	<ol style="list-style-type: none">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
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]