

Product datasheet for **RG203978**

GIMAP5 (NM_018384) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP5 (NM_018384) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GIMAP5
Synonyms:	HIMAP3; IAN-5; IAN4; IAN4L1; IAN5; IMAP3; IROD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203978 representing NM_018384 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGATTCCAGAGGGGCAAATATGGAACATGGCTGAAGGTAGATCAGAAGATAACTTGTCTGCAA
CACCACCGGCATTGAGGATTATCCTAGTGGCAAACAGGCTGCGGGAAAAGTGCCACAGGGAACAGCAT
CCTTGGCCAGCCCGTGTGGAGTCCAAGCTGAGGGCCAGTCAGTGACCAGGACGTGCCAGGTGAAAACA
GGAACATGGAACGGGAGGAAAGTCTGGTGGTTGACACGCCCTCCATCTTTGAGTCACAGGCCGATACCC
AAGAGCTGTACAAGAATCGGGGACTGCTACCTGCTCTGCCCCGGGGCCCCACGTCTTCTGGT
GATCCAGCTGGGGCGTTTCACTGCTCAGGACACAGTGGCCATCAGGAAGGTGAAAGAGGTCTTTGGGACA
GGGGCCATGAGACATGTGGTCATCCTCTTACCCACAAAGAGGACTTAGGGGGCCAGGCCCTGGATGACT
ATGTAGCAAACACGGACAACGCAGCCTGAAAGACCTGGTGCAGGAGTGTGAGAGAAGGTAAGTGTGCCTT
CAACAACGGGGCTCTGTGGAGGAGCAGAGGCAGCAGCAGGACAGCTCCTGGCTGTGATTGAGAGGCTG
GGGAGGGAGCGAGAGGGCTCCTTCCACAGCAATGACCTCTTCTGGATGCCAGCTGCTCCAAAGAACTG
GAGCTGGGGCCTGCCAGGAAGACTACAGGCAGTACCAGGCCAAAGTGGAAATGGCAGGTGGAGAAGCACA
GCAAGAGCTGAGGGAGAACGAGAGTAACGGGCATACAAGGCGCTCCTCAGAGTCAAACACTTGATGCTT
TTGCATTATGAGATTTTTGTTTTCTATTGTTGTGCAGCATACTTTTTTTCATTATTTTTCTGTTTCATCT
TTCATTACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203978 representing NM_018384
Red=Cloning site Green=Tags(s)

MGGFQRGKYGTMAEGRSEDNLSATPPALRIILVGKTGCGKSATGNSILGQPVFESKLRAQSVTRTCQVKT
 GTWNGRKLVLVVDTPSIFESQADTQELYKNI GDCYLLSAPGPHVLLLVLIQLGRFTAQDTVAIRKVKVEVFGT
 GAMRHVVILFTHKEDLGGQALDDYVANTDNCSLKDLVRECERRYCAFNNWGSVEEQRQQQAELLAVIERL
 GREREGSFHSNDLFLDAQLLQRTGAGACQEDYRQYQAKVEWQVEKHKQELRENSNWAYKALLRVKHLML
 LHYEIFVFLLLCSILFFIIFLFIHYI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018384

ORF Size: 921 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_018384.4](#)

RefSeq Size: 1861 bp

RefSeq ORF: 924 bp

Locus ID: 55340

UniProt ID: [Q96F15](#)

Cytogenetics: 7q36.1

Protein Families: Transmembrane

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. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. This gene encodes an antiapoptotic protein that functions in T-cell survival. Polymorphisms in this gene are associated with systemic lupus erythematosus. Read-through transcription exists between this gene and the neighboring upstream GIMAP1 (GTPase, IMAP family member 1) gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RG203978