

Product datasheet for **RG207156**

GIMAP2 (NM_015660) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GIMAP2
Synonyms:	HIMAP2; IAN12; IMAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207156 representing NM_015660
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCAAAATGAACACAGTCACTGGGACCACATGCAAAGGGCCAATGTGCCAGCAGATCTGAGCTGA
GAATCATCCTGGTGGGCAAAACAGGAAGTGGCAAAAGTGTGCAGGGAACAGCATCCTCAGGAAGCAAGC
ATTTGAATCGAAGCTGGGTTCCAGACCTTGACTAAGACTTGCAAGCAAAAGTCAGGGAAGCTGGGAAAT
AGAGAGATTGTCATTATTGACACACCAGATATGTTTTCTTGAAGGACCACTGTGAAGCTCTGTACAAAG
AGGTGCAGAGGTGCTACTTGTCTGTCTGCACCAGGACCCATGTGCTGCTCCTGGTGACTCAGCTGGGCCG
CTATACCTCACAGGACCAGCAGGCTGCACAGAGGTGAAGGAGATCTTTGGAGAGGATGCCATGGGACAC
ACAATTGCTCTTTACCCACAAGGAAGACCTCAATGGTGGCTCCCTGATGGATTACATGCACGACTCAG
ATAACAAAGCCCTAAGCAAGCTGGTGGCAGCATGTGGTGGGCGAATCTGTGCCTTTAATAACCGTGTGA
AGGGAGCAATCAGGATGACCAAGTGAAGGAACTAATGGACTGTATTGAGGATCTGTTGATGGAGAAAAAT
GGTGATCACTATACCAATGGGTTGTACAGCCTAATACAGAGGTCTAAATGTGGACCTGTGGGATCAGATG
AAAGAGTAAAGGAATCAACAGAGCCTTATAAAGTACATGAAACTCAAAGAAGTTACACAGCCTTGGC
TGAAGCAAACTGCCTAAAAGGAGCCTTAATCAAAACACAACGTGTGTTTTATTTGTATTACAGTTGTTT
CTCAGATTGATAATTCTGTGGCTTTGCATACTGCACAGCATGTGCAATTTGTTTTGTTGCTTACTCTTTA
GTATGTGCAATTTATTCTGCAGTTTGTGTTTATTATACCCAAAAGTTAATGATATTTTGAAGACAGT
TATTAGACTAGAACGCAAGACTCCTAGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



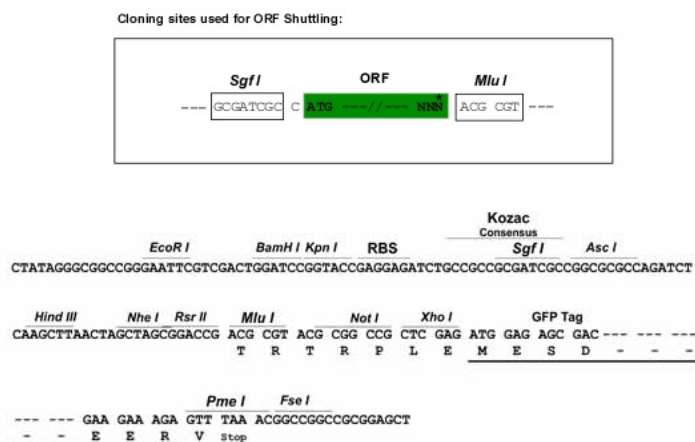
Protein Sequence: >RG207156 representing NM_015660
Red=Cloning site Green=Tags(s)

MDQNEHSHWGPAAKGQCA SRSELRIILVGKTGTGKSAAGNSILRKQAFESKLSGQTLTKTCSKSQGSWGN
REIVIDTPDMFSWKDHCEALYKEVQRCYLLSAPGPHVLLLTVLQGRYTSQDQQAARVKEIFGEDAMGH
TIVLFTFKHEDLNGGSLMDYMHDSDNKALSKLVAACGGRICAFNNRAEGNSQDDQVKELMDCIEDLLMEKN
GDHYITNGLYLSIQRSKCGPVGSDSERVEFKQSLIKYMETQRYSYALAEANCLKGALIKTQLCVLFCIQLF
LRITLILYLCSLHSMCNLCFLLFSMCNLCFSLILFTIPKMLFTLRIVIRLERKTPRL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_015660

ORF Size: 1011 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015660.3](#)

RefSeq Size: 1523 bp

RefSeq ORF: 1014 bp

Locus ID: 26157

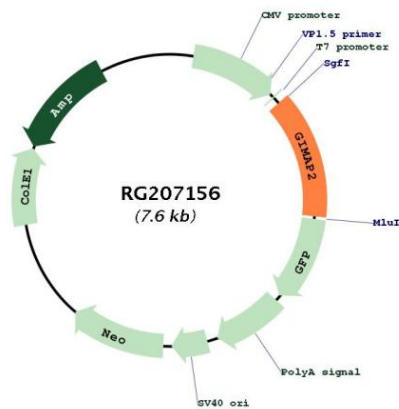
UniProt ID: [Q9UG22](#)

Cytogenetics: 7q36.1

Protein Families: Transmembrane

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. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207156