

Product datasheet for **RG205578**

GIMAP7 (NM_153236) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GIMAP7
Synonyms:	hIAN7; IAN7
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205578 representing NM_153236
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGAGAGTGAGGACCGCTCCCTGAGGATCGTTCTGGTAGGGAACTGGAAGTGGGAAAGTGCAA
CAGCGAACACCATCCTTGGAGAGGAAATCTTTGATTCTAGAATTGCTGCCAAGCTGTTACCAAGAAGTG
TCAAAAAGCATCCCGGAATGGCAGGGGAGAGACCTTCTTGTGTAGACACTCCAGGGCTCTTTGACACC
AAGGAGAGCCTGGACACACCTGCAAGGAAATCAGCCGCTGCATCATCTCCTCCTGCCAGGGCCCCATG
CTATTGTCCTAGTTCTGCTGCTGGGCCGCTACACAGAGGAGGAGCAGAAAACCGTTGCATTGATCAAGGC
TGCTTTTGGGAAGTCAGCCATGAAGCACATGGTCATCTTGTCACTCGCAAAGAAGAGTTGGAGGGCCAG
AGCTTCCATGACTTCATAGCAGATGCGGATGTGGGCCTAAAAAGCATCGTCAAGGAGTGCGGGAACCGCT
GCTGTGCCTTTAGCAACAGCAAGAAAACAGTAAGGCAGAGAAGGAAAGTCAAGTGCAGGAGTTGGTGA
GCTGATAGAGAAAATGGTGAGTGCAACGAAGGGGCTTACTTTTCTGATGACATATACAAGGACACAGAG
GAAAGGCTGAAACAACGGGAAGAGGTTTTGAGGAAAATCTACACTGACCAATTAATGAAGAAATTAAC
TAGTAGAAGAGGATAAGCATAAATCAGAGGAAGAAAAGGAGAAAGAAATTAATTAATAAAATA
TGATGAAAAAATAAAAAATATAAGGAAGAAGCTGAGAGAAATATATTTAAAGATGTTTTAATAGGATT
TGGAAGATGCTTTCAGAAATATGGCATAGGTTTTGTGCAAAATGAAGTTTATTCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205578 representing NM_153236
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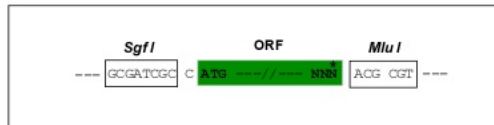
MAESEDRSLRIVLVGKGTSGKGSATANTILGEEIFDSRIAQAQVTKNCQKASREWQGRDLLVVDTPGLFDT
 KESLDTTCKEISRCIISSCPGPHAIIVLLGRYTEEEQKTVALIKAVFGKSAMKHMVILFTRKEELEGQ
 SFHDFIADADVGLKSIVKECGNRCCAFSNSKTSKAEKESQVQELVELIEKMQVCNEGAYFSDDIYKDE
 ERLKQREEVLRKIYTDQLNEEIKLVEEDKHKSEEEKEKEIKLLKLKYDEKIKNIREEAERNIFKDVFNRI
 WKMLSEIWHRFLSKCKFYSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_153236

ORF Size: 900 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_153236.4](#)

RefSeq Size: 1242 bp

RefSeq ORF: 903 bp

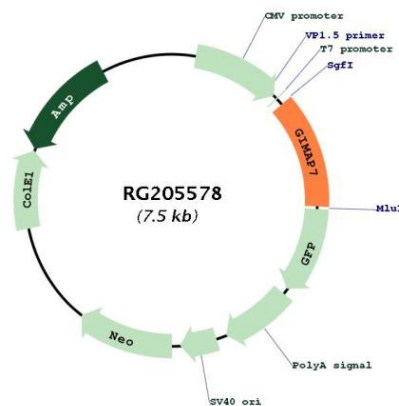
Locus ID: 168537

UniProt ID: [Q8NHV1](#)

Cytogenetics: 7q36.1

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 RG205578