

Product datasheet for **RG204653**

GIMAP4 (NM_018326) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP4 (NM_018326) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GIMAP4
Synonyms:	IAN-1; IAN1; IMAP4; MSTP062
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204653 representing NM_018326 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCCAATACGGCAGTATGAGCTTCAACCCAGCACACCAGGGGCCAGTTATGGCCTGGAAGGC
AAGAGCCAGAAATCCCAATTGAGAATTGTGTTAGTGGGTAACCGGAGCAGGAAAAAGTGAACAGG
AAACAGCATCCTTGGCCGAAAGTGTTCATTCTGGCACTGCAGCAAAATCCATTACCAAGAAGTGTGAG
AAACGCAGCAGCTCATGGAAGGAAACAGAATTGTCGTAGTTGACACACCAGGCATTTTCGACACAGAGG
TGCCCAATGCTGAAACGTCCAAGGAGATTATTCGCTGCATTCTTCTGACCTCCCCAGGGCCTCATGCTCT
GCTTCTGGTGGTTCCACTGGGCCGTTACTACTGAGGAGGAGCACAAAGCCACAGAGAAGATCCTGAAAATG
TTTGGAGAGAGGGCTAGAAGTTTCATGATTCTCATATTCACCCGAAAGATGACTTAGGTGACACCAATT
TGCATGACTACTTAAGGGAAGCTCCAGAAGACATTCAAGACTTGATGGACATTTTCGGTGACCGCTACTG
TGCGTTAAACAACAAGGCAACAGGCGCTGAGCAGGAGGCCAGAGGGCACAGTTGCTGGGCCTGATCCAG
CGCGTGGTGAGGGAGAACAAGGAAGGCTGCTACACTAATAGGATGTACCAAAGGGCGGAGGAGATCC
AGAAGCAAACAAGCAATGCAAGAATCCACAGAGTGGAGCTGGAGAGAGAGAAAGCGCGGATAAGAGA
GGAGTATGAAGAGAAAAATCAGAAAGCTGGAAGATAAAGTGGAGCAGGAAAAGAGAAAGAAGCAATGGAG
AAGAACTAGCAGAACAGGAGGCTCACTATGCTGTAAGGCAGCAAAGGGCAAGAACGGAAGTGGAGAGTA
AGGATGGGATACTTGAATTAATCATGACAGCGTTACAGATTGCTTCCTTTATTTTGTACGCTGTTCGCG
GGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG204653 representing NM_018326
 Red=Cloning site Green=Tags(s)

MAAQYGSMSFNPSTPGASYGPGRQEPNLSQLRIVLVGKTGAGKSATGNSILGRKVFHSGTAAKSITKKCE
 KRSSSWKETELVVVDTPGIFDTEVPNAETSKEIIRCILLTSPGPHALLLVVPLGRYTEEEHKATEKILKM
 FGERARSMILIFTRKDDLGDNLHDYLRAPEDIQDLMDIFGDRYCALNNKATGAEQEAQRAQLLGLIQ
 RVVRENKEGCYTNRMYPQRAEEEEIQKQTQAMQELHRVELEREKARIREEYEEKIRKLEDKVEQEKRKKQME
 KKLAEQEAHYAVRQQRARTEVESKDGILELIMTALQIASFILLRLFAED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018326

ORF Size: 987 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_018326.2](#), [NP_060796.1](#)

RefSeq Size: 1983 bp

RefSeq ORF: 990 bp

Locus ID: 55303

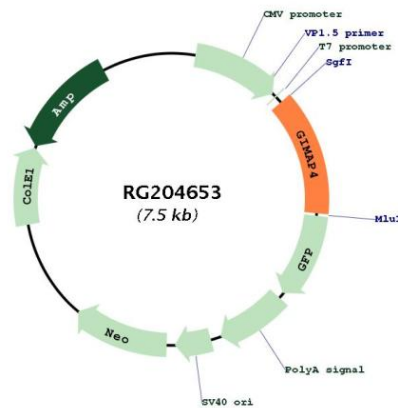
UniProt ID: [Q9NUV9](#)

Cytogenetics: 7q36.1

Domains: AIG1

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. The encoded protein of this gene may be negatively regulated by T-cell acute lymphocytic leukemia 1 (TAL1). In humans, the IAN subfamily genes are located in a cluster at 7q36.1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204653