

Product datasheet for **RG220758**

GIMAP8 (NM_175571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP8 (NM_175571) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GIMAP8
Synonyms:	IAN-9; IAN6; IAN9; IANT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG220758 representing NM_175571
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCAGAGCAGAGCTGCCAGATGTCCGAAGTCCGGCTCCTCCTCTGGGAAAATGCCGCTCGGGAAAA
GTGCCACAGGAAATGCCATTCTGGGCAAACATGTGTTCAAGTCCAAGTTCAGTGATCAGACAGTGATCAA
AATGTGCCAGAGAGAGATTGGGTCTGAGAGAAAGGAAGTTGTGGTAATTGACACCCCTGACCTTTTC
TCCTCAATAGCTTGTGCTGAAGACAAGCAACGCAACATCCAACACTGCTTGGAGCTCTCTGCTCCAGCC
TCCATGCTCTGCTCTTGGTAATTGCCATCGGCCATTTACAAGGGAGGATGAGGAAACAGCCAAGGGCAT
CCAACAAGTGTGGAGCTGAAGCCAGGAGGCACATCATTATTGTCTTCACTCGGAAGGATGATTTGGGG
GATGACTTGTGCAAGATTTCAATGAAAAAACAACCTCTCAAGCAGTTGGTTCAAGACTATGAGGGCC
GATACTGCATTTCAACAACAAGACCAATAGTAAGGATGAGCAGATCACCCAGGTGTTGGAGCTCCTTCG
CAAGTTGAGTCTTTGGTGAATACGAACGGAGGACCCTATCATGTGAACCTCAAACTGAAGGCAGCAGG
TTTCAAGATTGTGTGAATGAAGCTGCATCTCAAGAGGGAGACAAGCCACAGGGCCCAAGGGAAAGGCAGC
TGCACTCCACAGGACCCGAGCAGAATCCGGGGACATCAGAAGTCAAGTCTCCTTGTGGGGAAACGCGG
TGCTGGAAAAAGTGCAGCAGGAAACAGCATTCTGGGGAGGAGGCCTTTTCAGACCGGATTTAGTGAGCAG
TCAGTAACCCAGAGCTTCTTGTCTGAGAGCAGAAGCTGGAGAAAAAGAAAGTTTCGATCATTGATGCTC
CGGACATCTCATCTTTAAGAACATTGACTCAGAAGTTAGAAAACACATCTGTACAGGCCCCCATGCCTT
CCTGCTGGTGACACCACTGGGCTTTTACTAAGAATGATGAGGCAGTGTGAGCACCATCCAAAACAAT
TTTGGAGAAAAATCTTTGAGTACATGATCATACTTCTTACCAGGAAAGAAGATTTAGGGGATCAGGATC
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GCTCCGGGCCAGCCAGTCACCAAGACCAGCCAGAGTGGCAGGAGGACATGGGACGGACAGGAGGTGGTG
GTTGTGGACACTCTTCTTCAACCAGATGCTGGATGTCGAAAAGGACCCATCCCGTTAGAAAGGAGG
TCAAGCGCTGTTGTCTGCTGTGAAAAAGGGACACATTTTTGTCTGGTGTCCAGCTGGGACGATT
CACTGAAGAGGACAAAACAGCTGTGGCGAACTGGAGGCCATCTTGGAGCAGACTTACGAAATACGCG
ATTATGCTGTTACCCGGAAGGAAGACCTAGGGGCGGGGAATTTGGAAGACTTCATGAAGAAGTCAAGATA
ACAAAGCCCTTCGGCGCATTTTTAAAAAGTGTGGGCGGGAGTTTGTGCTTTTAAACAACAAGAAACAGG
CCAGGCCAGGAAACCCAGGTGAAAGCTTTTTAACAAAGGTCAATGATCTGAGAAAAAGAAAGTGGGTGG
TCCGGGTATCCCATACACAGGAGAAGCTCAGCAAATAATTAATAATGTCCAGGAAATGTCCCAAGCCG
AAAACTCCTTAAAAATTAATAGGTATTTACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220758 representing NM_175571
 Red=Cloning site Green=Tags(s)

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MSEQSCQMSELRLLLL GKCRSGKSATGNAILGKHVFKSKFSDQTVIKMCQRESWVL RERKVVVIDTPDLF
SSIAEAEDKQRNIQHCL ELSAPSLHALLLVIAIGHFTREDEETAKGIQQVFGAEARRHIIIVFTRKDDL G
DDL LQDFIEKNKPLKQLVQDYEGRYCIFNNKTNKDEQITQVLELLR KVESLVNTNGGPYHVNFKTEGSR
FQDCVNEAASQEGDKPQGP RERQLQSTGPEQNPGTSELTVLLVGKRGAGKSAAGNSILGRQAFQTGFSEQ
SVTQSFLSESRWRKKKVS IIDAPDISSLKNIDSEVRKHICTGPHAFLLV TPLGFYTKNDEAVLSTIQNN
FGEKFFEYMIILLTRKEDLGDQDLDTFLRNSNKALYGLIQKCKNRYSAFN YRATGEEEQRQADELLEKIE
SMVHQNGNKHCVFREKETL NIVLVGRSGTGKSATGNSILGSLVFTSRLRAQPVT KTSQSGRRTWDGQEVV
VVDTPSFNQMLDVEKDPSR LEEEVKRC LSCCEKGD TFFVLV FQLGRFTEEDKTAVAKLEAIFGADFTKYA
IMLFTRKEDLGAGNLED FMKNSDNKALRRIFK KCGRRVCAFNNKETGQAQETQVKALLTKVNDLRKESGW
SGYPHTQENVSKLIK NVQEMSQA EKL LK N L I G I L Q
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175571

ORF Size: 1995 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_175571.4](#)

RefSeq Size: 3952 bp

RefSeq ORF: 1998 bp

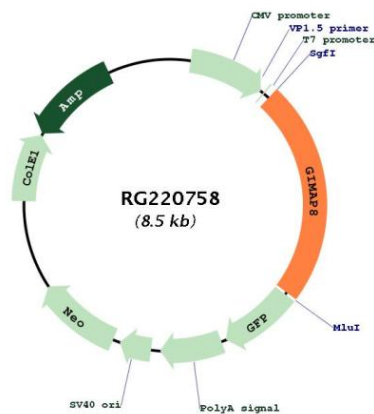
Locus ID: 155038

UniProt ID: [Q8ND71](#)

Cytogenetics: 7q36.1

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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG220758