

## Product datasheet for **RG209164**

### GIMAP6 (NM\_024711) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP6 (NM_024711) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GIMAP6
Synonyms:	IAN-2; IAN-6; IAN2; IAN6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209164 representing NM_024711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAAGAAGAATATGAACAAATCCCCAGGAGAATCCCCAGAAGAGCTGTCCAGGATCCTGTGC  
TGGAGCTGTCAGGAGGTCTAAGGGAGAAAGAACAAGACCCCAAGGAGACTGAGGCTCATTCTCATGGG  
GAAAACAGGGAGTGGGAAGAGTGAACAGGAAACAGCATCCTCGGCAGGGACGTCTCGAGTCTAAACT  
AGCACCAGACCCGTGACCAAGACCTCCCAGAGACGGAGCCGAGAGTGGGCTGGGAAGGAGCTTGAGGTGA  
TTGACACACCCAACATTCTGTCCCCCAGGTCTGCCAGAGGTGGCAGACGCTATCTGCCAAGCCATCGT  
CTTATCCGCCCCAGGGCCCCACGCCGTGCTCCTGGTGACACAACCTGGGCCGGTTCACGGATGAGGATCAG  
CAGGTGGTCAGGCGCCTGCAGGAGGTCTTTGGAGTGGGGTTCTGGGTACACCATCCTGGTGTTCACCC  
GGAAGGAAGACCTGGCTGGCGGCTCCCTGGAAGACTATGTGCGAGAGACCAACAACAGGCCCTTGCCCTG  
GCTGGATGTGACCCTTGCACGGCGCCATTGCGGCTTCAACAACAGGGCACAGGGGAGGAGCAGGAGGCC  
CAACTGCGAGAGCTCATGGAGAAAGTTGAAGCCATTATGTGGGAAAACGAAGGAGATTATTACAGCAACA  
AGGCTTACCAATATACCAGCAAACTTTCGGCTGAAAGAACTACAGGAAAGGCAAGTAAAGCCAGGGCCA  
AGGCTCTGAGGACGTGCCTGGTGGAGAGTCTTGGCTGGAAGGACTGTCCAGATCCAGAAGGAATCTGAG  
GAAGCCACAGATGCCTGCTGGGAAGGCTGACCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209164 representing NM\_024711  
Red=Cloning site Green=Tags(s)

MEEEEYEQIPQENPPEELSQDPVLELSGGLREKEQKTPRRLRLILMGKTGSGKSATGNSILGRDVFESKL  
 STRPVTKTSQRRSREWAGKELEVIDTPNILSPQVSPEVADAIQAIVL SAPGPHAVLLVTQLGRFTDEDQ  
 QVVRRLQEVFVGVLGHTILVFRKEDLAGGSLEDYVRETNNQALAWLDVTLARRHCGFNNRAQGEEQEA  
 QLRELMKVEAIMWENEGDYYSNKAYQYTQQNFRLKELQERQVSQGGQSEDVPGEESWLEGLSQIQKESE  
 EHRCLLGKADL

TRTRPLE - GFP Tag - V

**Restriction Sites:**

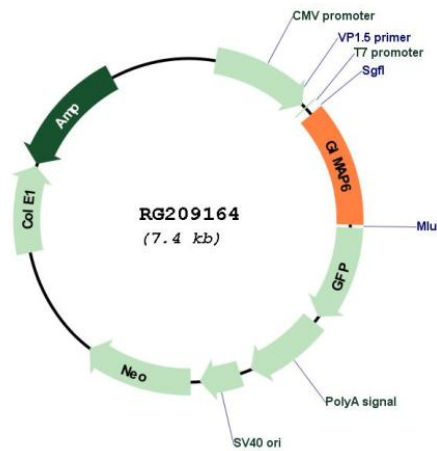
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_024711

**ORF Size:** 876 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024711.6</a>
<b>RefSeq Size:</b>	3422 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	474344
<b>UniProt ID:</b>	<a href="#">Q6P9H5</a>
<b>Cytogenetics:</b>	7q36.1
<b>Domains:</b>	AIG1
<b>Gene Summary:</b>	This gene encodes a member of the GTPases of immunity-associated proteins (GIMAP) family. GIMAP proteins contain GTP-binding and coiled-coil motifs, and may play roles in the regulation of cell survival. Decreased expression of this gene may play a role in non-small cell lung cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, which is found in a cluster with seven additional GIMAP genes on the long arm of chromosome 7. [provided by RefSeq, Sep 2011]