

## Product datasheet for **RC232580**

### GIMAP6 (NM\_001244072) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP6 (NM_001244072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GIMAP6
Synonyms:	IAN-2; IAN-6; IAN2; IAN6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232580 representing NM_001244072 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGGAAGAAGAATATGAACAAATCCCCAGGAGAATCCCCAGAAGAGCTGTCCAGGATCCTGTGC  
TGGAGCTGTGAGGAGCTCTGCTCTTGCCTGGGAGAGAAGCTTACAGCCACCTTCAAGGATGTGGGCC  
CAGAATGGTGGCCAGCGCTGGTTTCAGGGCAGATGTTGGTCTTTACAATCTGCCCTGCAGTCTGGGG  
GTACACCCAGAGGCTCCTGGTGATGACAAGATGGGGTACATGGGCCCTTACCCAGTTCCCTCTGCTTTC  
TTTGGATATTTCTAGGTCTAAGGGAGAAAGAACAGAAGACCCCAAGGAGACTGAGGCTCATTCTCATGGG  
GAAAACAGGGAGTGGGAAGAGTGCAACAGGAAACAGCATCCTCGGCAGGGACGTCTTCGAGTCTAAACTC  
AGCACCAGACCCGTGACCAAGACCTCCCAGAGACGGAGCCGAGAGTGGGCTGGGAAGGAGCTTGAGGTGA  
TTGACACACCAACATTCTGTCCCCCAGGTCTCGCCAGAGGTGGCAGACGCTATCTGCCAAGCCATCGT  
CTTATCCGCCCCAGGGCCCCACGCCGTCTCCTGGTGACAACTGGGCCGTTTACGGATGAGGATCAG  
CAGGTGGTCAGGCGCCTGCAGGAGTCTTTGGAGTGGGGTTCTGGGTACACCATCTGGTGTTCACCC  
GGAAGGAAGACCTGGCTGGCGGCTCCCTGGAAGACTATGTGCGAGAGACCAACAACAGGCCCTTGCCTG  
GCTGGATGTGACCTTGCACGGCGCCATTGCGGCTTCAACAACAGGGCACAGGGGGAGGAGCAGGAGGCC  
CAACTGCGAGAGCTCATGGAGAAAGTTGAAGCCATTATGTGGAAAACGAAGGAGATTATTACAGCAACA  
AGGCTTACCAATATACCCAGCAAACTTTGCGCTGAAAGAAGTACAGGAAAGGCAAGTAAGCCAGGGCCA  
AGGCTCTGAGGACGTGCCTGGTGGAGGACTTGGCTGGAAGGACTGTCCAGATCCAGAAGGAATCTGAG  
GAAGCCCACAGATGCCTGCTGGGAAGGCTGACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232580 representing NM\_001244072  
 Red=Cloning site Green=Tags(s)

MEEEEYEQIPQENPPEELSQDPVLELSGGALALGENVQPHLQCGPRMVAQRWFQGRCSFTICPCSLG  
 VHPEAPGDDKMGYMGYPSSLCFLWIFLGLREKEQKTPRRLRLILMGKTGSGKSATGNSILGRDVFESKL  
 STRPVTKTSQRRSREWAGKELEVIDTPNILSPQVSPEVADAIQAIIVLSAPGPHAVLLVTQLGRFTDEDQ  
 QVVRRLQEVFGVGLGHTILVFTRKEDLAGGSLEDYVRETNNQALAWLDVTLARRHCGFNNRAQGEEQEA  
 QLRELMKVEAIMWENEGDYYSNKAYQYQQNFRKLKELQERQVSQGGSEDPGEEVSWLEGLSQIQKQSE  
 EAHRCLLGKADL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

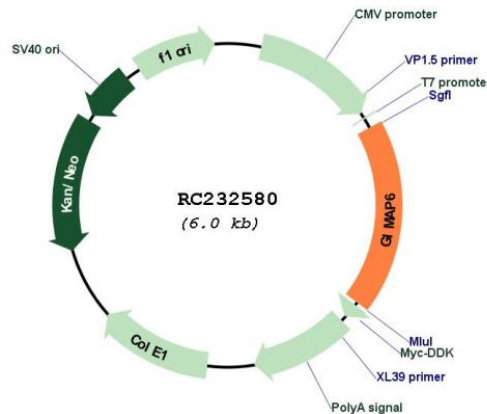
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001244072

<b>ORF Size:</b>	1086 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_001244072.1</a> , <a href="#">NP_001231001.1</a>
<b>RefSeq Size:</b>	3926 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	474344
<b>UniProt ID:</b>	<a href="#">Q6P9H5</a>
<b>Cytogenetics:</b>	7q36.1
<b>MW:</b>	41.1 kDa
<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]