

Product datasheet for RC209164

GIMAP6 (NM_024711) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GIMAP6 (NM_024711) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | GIMAP6 |
| Synonyms: | IAN-2; IAN-6; IAN2; IAN6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC209164 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGAAGAAGAATATGAACAAATCCCCAGGAGAATCCCCAGAAGAGCTGTCCAGGATCCTGTGC
TGGAGCTGTCAGGAGGTCTAAGGGAGAAAGAACAAGACCCCAAGGAGACTGAGGCTCATTCTCATGGG
GAAAACAGGGAGTGGGAAGAGTGAACAGGAAACAGCATCCTCGGCAGGGACGTCTCGAGTCTAAACT
AGCACCAGACCCGTGACCAAGACCTCCCAGAGACGGAGCCGAGAGTGGGCTGGGAAGGAGCTTGAGGTGA
TTGACACACCCAACATTCTGTCCCCCAGGTCTCGCCAGAGGTGGCAGACGCTATCTGCCAAGCCATCGT
CTTATCCGCCCCAGGGCCCCACGCCGTGCTCCTGGTGACACAACCTGGGCCGGTTCACGGATGAGGATCAG
CAGGTGGTCAGGCGCCTGCAGGAGGTCTTTGGAGTGGGGTTCTGGGTACACCATCCTGGTGTTCACCC
GGAAGGAAGACCTGGCTGGCGGCTCCCTGGAAGACTATGTGCGAGAGACCAACAACAGGCCCTTGCCCTG
GCTGGATGTGACCCTTGACGGCGCCATTGCGGCTTCAACAACAGGGCACAGGGGAGGAGCAGGAGGCC
CAACTGCGAGAGCTCATGGAGAAAGTTGAAGCCATTATGTGGGAAAACGAAGGAGATTATTACAGCAACA
AGGCTTACCAATATACCAGCAAACTTTCGGCTGAAAGAACTACAGGAAAGGCAAGTAAGCCAGGGCCA
AGGCTCTGAGGACGTGCCTGGTGGAGAGTCTTGGCTGGAAGGACTGTCCAGATCCAGAAGGAATCTGAG
GAAGCCACAGATGCCTGCTGGGAAGGCTGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209164 protein sequence
Red=Cloning site Green=Tags(s)

MEEEEYEQIPQENPPEELSQDPVLELSGGLREKEQKTPRRLRLILMGKTGSGKSATGNSILGRDVFESKL
 STRPVTKTSQRRSREWAGKELEVIDTPNILSPQVSPEVADAIQCQAIVLSAPGPHAVLLVTQLGRFTDEDQ
 QVVRRLQEVFGVGLGHTILVFTRKEDLAGGSLEDYVRETNNQALAWLDVTLARRHCGFNRAQGEQEQA
 QLRELMKVEAIMWENEGDYYSNKAYQYTQQNFRLKELQERQVSQGGSEDPGEEESWLEGLSQIQKESE
 EAHRCLLGKADL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024711

ORF Size: 876 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_024711.6](#)

RefSeq Size: 3716 bp

RefSeq ORF: 879 bp

Locus ID: 474344

UniProt ID: [Q6P9H5](#)

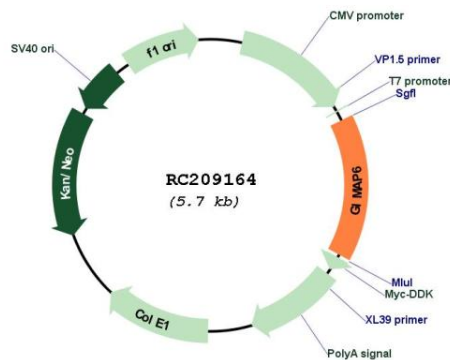
Cytogenetics: 7q36.1

Domains: AIG1

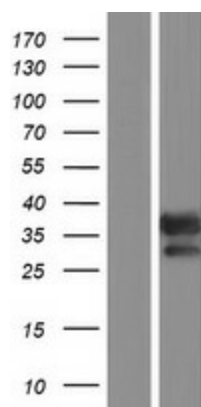
MW: 32.9 kDa

Gene Summary: 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]

Product images:



Circular map for RC209164



Western blot validation of overexpression lysate (Cat# [LY411112]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209164 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).