

Product datasheet for **MR204294**

Gimap6 (NM_153175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap6 (NM_153175) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gimap6
Synonyms:	4833419H03Rik; I; Ian6; mFLJ00102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204294 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATTGGCTTTACAGAAAACTCGGGTCCATCGGCTCATGTTCTATAGAACTTTCCCTGGCCAT
TCTATTCATTCTTTAGAGAATCTACATTTGACCCACCAGGAAAGCCAGAAAATTCACCAGAGACCAG
TGCTACTGAAGTCGGGAAACAGAGACCTTCTTGCCTGTCAGCCAGCCAGTGGTGAAGAGGAAGAGTGT
GAGCACAGACCTGAGAAGAATCCACAAGGCAGTGGCCCTGGACTCTGGACAAGGATTGACAAAAGGTC
TGAAGGAGAAAAACTCACCCAAAGAGACTGCAGCTCCTTCTGGTGGGAAAACAGGAAGTGGGAAAAG
TGCAACAGGGAACAGCATCCTTGGCAGGCAAGCCTTTGAATCCAAAATCAGCGCTCGACCAGTGACCAGG
ACATTCAGAAAAGGGACTAGAGAGTTTGAAGGAAAGAACTTGAGGTGATCGACACCCAGATATTTTTT
CACCTCAGAACAGCCTGAGGCAACAGCTAAGAAGATCTGTGACCTCTTGGCCTCACCAGGGCCCATGC
AGTGCTGCTGGTATACAGGTAGGCCGGTACACTGCCGAGGACCAGGCGGTAGCCAGGTGCCTCCAGGAG
ATCTTTGGAAACAGATCCTGGCTTACACTATTCTGGTGTTCACCCGGAAGGAAGACCTGGCTGAGGGCT
CCTTAGAAGAATATTTCAAGAGAACAACAATAAGAGCCTGGATGTTCTGGATGTTGCATGTGAGAGGCG
CCACTGTGGCTTCAACAACAAGGCACAAGGGGATGAGCAGGAGGCCAGTTGAAGAACTTATGGAGGAA
GTCGAATTGATCTTGTGGGAAAATGAGGGCCATTGTTACACCATGGAATTTCAAATGTTCCAGCAAGA
CACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204294 protein sequence
Red=Cloning site Green=Tags(s)

MDWLYRKTLSIGSCSIETFPWPFYSFFQRIYISTPPGKPENSPETSATEVGEQRPSCLSASPVVEEEEC
 EHRPEKNPTRQWPLDSGQGLTKGLKEKKLTPKRLQLLLVGKTGSGKSATGNSILGRQAFESKISARPVTT
 TFQKGTREFEGKELEVIDTPDIFSPQNQPEATAKKICDLLASPGPHAVLLVIQVGRYTAEDQAVARCLQE
 IFGNTILAYTILVFTRKEDLAEGSLEEYIQENNNKSLDVLDVACERRHCGFNKAQGDEQEAQLKKLMEE
 VELILWENEGHCYTMFPNVPSKTL

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_153175

ORF Size: 918 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_153175.1](#)

RefSeq Size: 1612 bp

RefSeq ORF: 918 bp

Locus ID: 231931

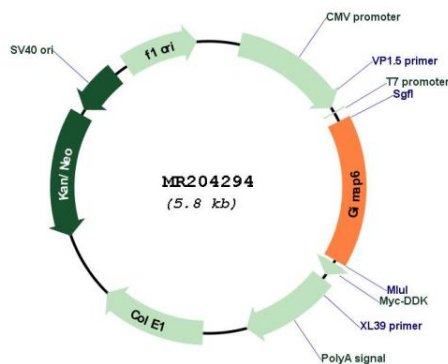
UniProt ID: [Q8K349](#)

Cytogenetics: 6 B2.3

MW: 34.1 kDa

Gene Summary: This gene encodes a protein belonging to the GTP-binding superfamily and to the immuno-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 MR204294