

Product datasheet for MR221664

Gimap1 (NM_175860) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap1 (NM_175860) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gimap1
Synonyms:	38kD; i; IA; IAP38; Ima; imap; Imap38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221664 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGAAGGAAGATGGCAAGAGATGAGGAAGACGCCTATGGCTCAGAGGACTCCAGGGCCCCGAGA
TGCCCCAGCTGAGGCTCATCCTAGTGGGCAGGACTGGGACCGCAAGAGTGCCACTGGCAACAGCATCCT
GGGTGAGAAGTGCTTCTGTCCAGGCTGGGGCGGTGCCTGTACCAGAAGTTGCACTTTGGCCAGCAGA
ATGTGGGCGGCTGGCAGGTGGAGGTGGTGACACCCCGGATATCTTCAGCTCCGAGATCCCGCGGACCG
ACCCTGGGTGCGTGGAGACAGCCGCTGCTTCGTGCTGTGGCCCTGGGCCGCACGCGTCTGCTGGT
CACCCAGCTGGTTCGCTTACCATTGCAGGACAGCCAGGCGCTGGCCGCGGTGAAGCGTTATTCCGGGAA
CAGGTGATGGCGCGCACTGTCGTGGTGTTCACGCGCAAGAGGACCTGGCTGGAGACTCCCTGCAGGATT
ATGTGCACTGCACGGACAACCGCGCGTGCAGGACCTGGTGGCCGAGTGCAGGGGCGCGTGTGCAGCCCT
CAACAACCGCGCCACAGGACAGCGAGCGGAGGCTCAGGCTGAGCAGCTGCTGGGCATGGTTGCGTGTG
GTGAGGGAGCACGGGGCGCGCACTACTCCAATGAGGTGTATGAGCTGGTGCAGGACACGCGGTGCGCTG
ACCCCCAGGACCAAGTAGCCAAGGTGGCAGAGATAGTGGCTGAGCGCATGCAGAGGCGCACCAAGTTGCT
AGCTGGGCTGTGGGATGGCGGAAATTTACTGGAAGGGCTGGAGCGTGGTTTCTGTCTTCTCTGGGT
GTGGCCATCTTGATCTACCTGCTTCTACAGAAAGGGCTTTGGGGACCAGAATAACAGA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR221664 protein sequence
Red=Cloning site Green=Tags(s)

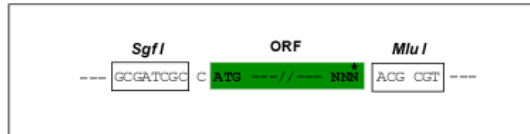
MGGRKMARDEEDAYGSEDSRAPQMPQLRLILVGRGTGKSATGNSILGQKCFLSRLGAVPVTR SCTLASR
 MWAGWQVEVVDTPDIFSSSEIPRTDPGCVETARCFVLSAPGPHALLLVTLGRFTMQDSQALAAVKRLF GK
 QVMARTVVVFTRQEDLAGDSLQDYVHCTDNRALRDLVAECGGRVCALNNRATGSEREAQAEQLLGMVACL
 VREHGGAHYSNEVYELVDTRCADPQDQVAKVAEIVAERMQRRTLLAGLWGWRKFYWKGWRRGFSVFLG
 VAILIYLLFYRKGFQDQNNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_175860

ORF Size: 903 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_175860.1](#)

RefSeq Size: 1499 bp

RefSeq ORF: 903 bp

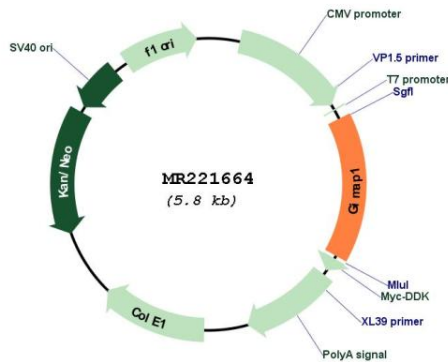
Locus ID: 16205

Cytogenetics: 6 B2.3

MW: 33.4 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. Sequence analysis identified two alternatively spliced variants that encode the same protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR221664