

## Product datasheet for MR229102

### Gimap1 (NM\_008376) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap1 (NM_008376) 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:	>MR229102 representing NM_008376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGAGGAAGGAAGATGGCAAGAGATGAGGAAGACGCCTATGGCTCAGAGGACTCCAGGGCCCCGAGA  
TGCCCCAGCTGAGGCTCATCCTAGTGGGCAGGACTGGGACCGCAAGAGTGCCACTGGCAACAGCATCCT  
GGGTGAGAAGTGCTTCTGTCCAGGCTGGGGCGGTGCCTGTACCAGAAGTTGCACTTTGGCCAGCAGA  
ATGTGGGCGGCTGGCAGGTGGAGTGGTGACACCCCGGATATCTTCAGCTCCGAGATCCCGCGGACCG  
ACCTGGGTGCGTGGAGACAGCCGCTGCTTTGTGCTGTGGCCCTGGGCGCACGCGTGTGCTGGT  
CACCCAGCTGGTTCACCATGCAGGACAGCCAGGCGCTGGCCGCGTGAAGCGTTATTCCGGGAA  
CAGGTGATGGCGCGCACTGTCGTGGTGTTCACGCGCAAGAGGACCTGGCTGGAGACTCCCTGCAGGATT  
ATGTGCACTGCACGGACAACCGCGCGTGCAGGACCTGGTGGCCGAGTGCAGGGGCGCGTGTGCGCCCT  
CAACAACCGCGCCACAGGACAGCGAGGCTCAGGCTGAGCAGCTGCTGGGCATGGTTGCGTGTGCTG  
GTGAGGGAGCACGGGGCGCGCACTACTCCAATGAGGTGTATGAGCTGGTGCAGGACACGCGGTGCGCTG  
ACCCCCAGGACCAAGTAGCCAAGGTGGCAGAGATAGTGGCTGAGCGCATGCAGAGGCGCACAGGTTGCT  
AGCTGGGCTGTGGGATGGCGGAAATTTACTGGAAGGGCTGGAGCGTGGTTTCTGTCTTCTGGGT  
GTGGCCATCTTGATCTACCTGCTGTTCTACAGAAAGGGCTTTGGGACCAGAATAACAGA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229102 representing NM\_008376  
Red=Cloning site Green=Tags(s)

MGGRKMARDEEDAYGSEDSRAPQMPQLRLILVGRGTGKSATGNSILGQKCFLSRLGAVPVTR SCTLASR  
 MWAGWQVEVVDTPDIFSSSEIPRTDPGCVETARCFVLSAPGPHALLLVTLGRFTMQDSQALAAVKRLF GK  
 QVMARTVVVFTRQEDLAGDSLQDYVHCTDNRALRDLVAECGGRVCALNNRATGSEREAQAEQLLGMVACL  
 VREHGGAHYSNEVYELVQDTRCADPQDQVAKVAEIVAERMQRRTLLAGLWGWRKFYWKGWRRGFSVFLG  
 VAILIYLLFYRKGFQDQNNR

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\_008376

**ORF Size:** 900 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\\_008376.3](#), [NP\\_032402.2](#)

**RefSeq Size:** 1505 bp

**RefSeq ORF:** 903 bp

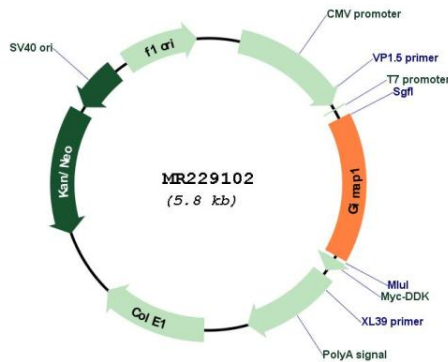
**Locus ID:** 16205

**Cytogenetics:** 6 B2.3

**MW:** 33.4 kDa

**Gene Summary:** This gene encodes a protein belonging to the GTP-binding superfamily and to the immun-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 MR229102