

Product datasheet for **MC228677**

Gimap8 (NM_212486) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap8 (NM_212486) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gimap8
Synonyms:	Gm457; IAN9; IMAP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228677 representing NM_212486
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGACTTCATCCACCAAGGAGCAGCTGCAGGAAGCCAGGCAGAGCACAGAAGCTGTGAAGCATCAG
 TAGGACAGGGGAAAGACCGAGTGCCAGCCAGGGTCAGGAGGGCAACTTCAAGCAGAACCAGGGAACGTC
 CACACTGCGGCTCCTCCTGCTAGGGAACAGGGCGCAGGCAAAAGTGCCACAGGAAACACCATTCCTGGGC
 AAAGCCGTGTTTCGAGTCCAAGTTCAGTGATCACATGGTAACCGACAGATGCCAGAGCGAGAGTGTGTGAG
 TAAGAGGGAAACAGGTCATTGTTCATCGATACCCAGATCTTTTCTCCTCACTGAGCTGTTTCAGAGGTTAG
 GCAGCAGAACCTGAAGCAGTGCTTGGAGCTCTTAGCTGATGATCACTGTGTGCTGCTCCTGGTCACTCCC
 ATTGGCCACTATACAGAGGAGGACAGGGAGACCATTGAAGGCATCTGGGTAAAATTGGCCCTAAAGCCT
 ACAGACACATGATTGTGGTCTTCACTCGGAAGATGAGCTGGATGAAGACTCCCTGTGGAACACATTGA
 GAGCAAGGAGTCTCTGAAGGAGTTGATTAACACATTGGAAGTCGACGATGTTGTACTTTCAACAACAAG
 GCAGACAAGAAGCAGCGGGAAGTCAGGTGTTCAAGCTGCTTGATGCAATTGAACCTTTGATGATGGAAA
 GCCCTGAGCCATATTTTGAAGCCCTTAAAAATGGAAGCAGTGGAGTCCAGGGTTGTGGGAATGGAGTGAC
 ATATGAAGGGGACACTCTGTGTGGTTCAAAGAAGAGGCAGCCTCAGATCACAGGACCCGATTGTGATCCA
 GACATGCCAGAGCTGAGGGTCTCCTGATGGGGAAGCGTGGTGTGGGAAAAGTGACAGCAGGAAACAGCA
 TTCTGGGAAGCAGGTCTTTAAGACTCAGTTCAGTGAGAAGCAGCGGGTCACCAAGGCCCTTTCATCCCCA
 CAGCAGGTCTGGCAAGGGAAGAAAGTTCTGATTATAGATTCTCCAGAGATCTCATCGTGGAAAGCTTGAT
 GAGTCTGCTGTCAAGAATCACACCTTCCAGGTCCCCATGCCTTTCTGCTGGTGACCACTGGGTTCTT
 CTTTAAAGAGTGATGACGATGTGTTTCAGCATCATCAAACGTATTTTGGAGAAAAATTACCAAGTTTCA
 AATTGTTCTCTTTACCAGGAAAGAAGATTTTGAAGATCAGGCTCTAGATAAGGTTATAAAGGAAATGAT
 GCTCTCTATAATCTACCCAGAAATTTGGAGAAAGATACGCAATCTTCAACTACCGGGCATCTGTGGAGG
 AGGAGCAGAGCCAGGTGGGCAAACTACTGAGCCAAATCGAGAAGATGGTGCAGTGCCACAGCAACAAGCC
 TTGCGTCATCAGAGAGAAAGAACTTTTAAACATCATCCTCTTGGGAAGGAGTGGGCTGGAAAGAGTGCA
 ACTGGGAACACTATCCTGGGAGATCTGCCTTCTTCTCCAGCTCAGAGCTCAGCCGGTCACCAAGTACGA
 GCCAGAGTGGTAAGAGGACACTGGACTGGCAGGATGTTGTGGTTGTGGACTCCATCATTATCCAGAC
 GCCTGGCACTGAAAAGGATCCCTCCAGGTTAAGGAGGAGATCCATCACTGTTTGAGTCTCTGCGAAGAA
 GGCATGAAGATTTTGTCTGTTCTCCAGTTGGGACGGTTCACCCAGGAAGATGAGGTGGTGGTGGAGC
 AACTGGAGGCCAGTTTGAAGAAACATTATGAATATATGATTGTGCTGTTACACGGAAGGAAGACCT
 AGGGGATGGGGACCTTCATGATTATACTAACAACACAAAGAACAAAGCCCTTAAAAAATACTTAAAAAG
 TGCAATGGGCGAGTTTGTGCTTTAATAACAAAGAACTGGTGAAGACCAGGAGCCAGGTGAAAGGTC
 GTTTGAAATAGCCAATAGTCTCAAAAAGAACTATGATGAGCATTCAAATTCATGGGTGGTCAATTAA
 ATCAACACTAGGCCAAATTACTATGGCATTTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_212486

Insert Size: 2067 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_212486.2</u> , <u>NP_997651.1</u>
RefSeq Size:	3650 bp
RefSeq ORF:	2067 bp
Locus ID:	243374
UniProt ID:	<u>Q75N62</u>
Cytogenetics:	6 B2.3
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. The encoded protein is larger than the other gene family members and includes three AIG1 domains (corresponding to the AIG1 protein from Arabidopsis thaliana) whereas other family members have one AIG1 domain. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Variants 1 and 2 encode the same isoform (1).