

Product datasheet for **MC220540**

Gimap8 (NM_001077410) Mouse Untagged Clone

Product data:

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



Fully Sequenced ORF:

>MC220540 representing NM_001077410
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGACTTCATCCACCAAGGAGCAGCTGCAGGAAGCCAGGCAGAGCACAGAAGCTGTGAAGCATCAG
 TAGGACAGGGGAAAGACCGAGTGCCAGCCAGGGTCAGGAGGGCAACTTCAAGCAGAACCGGGAACGTC
 CACACTGCGGCTCCTCTGCTAGGGAACAGGGCGCAGGCAAAAGTCCACAGGAAACACCATTCCTGGGC
 AAAGCCGTGTTTCGAGTCCAAGTTCAGTGATCACATGGTAACCGACAGATGCCAGAGCGAGAGTGTGTGAG
 TAAGAGGGAACAGGTCAATGTCATCGATACCCAGATCTTTCTCCTCACTGAGCTGTTTCAGAGGTTAG
 GCAGCAGAACCTGAAGCAGTGCTTGGAGCTCTTAGCTGATGATCACTGTGTGCTGCTCCTGGTCACTCCC
 ATTGGCCACTATACAGAGGAGGACAGGGAGACCATTGAAGGCATCTGGGGTAAAATTGGCCCTAAAGCCT
 ACAGACACATGATTGTGGTCTTCACTCGGGAAGATGAGCTGGATGAAGACTCCCTGTGGAACACATTGA
 GAGCAAGGAGTCTCTGAAGGAGTTGATTAACAACTTGAAGTCGACGATGTTGTACTTTCAACAACAAG
 GCAGACAAGAAGCAGCGGGAAGTGCAGGTGTTCAAGCTGCTTGATGCAATTGAACTTTTGATGATGGA
 GCCCTGAGCCATATTTGAGCCCTTAAAAAGCAAGCAGTGGAGTCCAGGGTGTGGGAATGGAGTGAC
 ATATGAAGGGGACACTCTGTGTGGTTCAAGAAGAGGCGAGCTCAGATCACAGGACCCGATTGTGATCCA
 GACATGCCAGAGCTGAGGGTCTCTGATGGGGAAGCGTGGTGTGGGAAAAGTGCAGCAGGAAACAGCA
 TTCTGGGGAAGCAGGTCTTTAAGACTCAGTTCAGTGAGAAGCAGCGGGTCACCAAGGCCTTTGCATCCCA
 CAGCAGGGTCTGGCAAGGGAAGAAAGTTCTGATTATAGATTCTCCAGAGATCTCATCGTGAAGCTTGAT
 GAGTCTGCTGTCAAGAATCACACCTTTCCAGGTCCCATGCCTTTCTGCTGGTGACACCACTGGGTTCTT
 CTTTAAAGAGTGATGACGATGTGTTCAAGCATCATCAACGATTTTTGGAGAAAAATTCACCAAGTTCAC
 AATTGTTCTCTTACCAGGAAAGAAGATTTTGAGGATCAGGCTCTAGATAAGGTTATAAAGGAAATGAT
 GCTCTCTATAATCTCACCAGAAATTTGGAGAAAGATACGCAATCTTCACTACCGGCATCTGTGGAGG
 AGGAGCAGAGCCAGGTGGGCAAACTACTGAGCCAAATCGAGAAGATGGTGCAGTGCCACAGCAACAAGCC
 TTGCGTCATCAGAGAGAAGAACTTTTAAACATCATCTCTTGGGAAGGAGTGGGCTGGAAGAGTGCA
 ACTGGGAACACTATCCTGGGAGAGCTGCCTTCTCTCCAGCTCAGAGCTCAGCCGGTCACCAAGTAGCA
 GCCAGAGTGGTAAGAGGACACTGGACTGGCAGGATGTTGTGGTTGTGGACACTCCATCATTATCCAGAC
 GCCTGGCACTGAAAGGATCCCTCCAGGTTAAAGGAGGAGATCCATCACTGTTTGAGTCTCTGCGAAGAA
 GGCATGAAGATTTTGTCTGGTTCTCAGTTGGGACGTTACCCAGGAAGATGAGGTGGTGGTGGAGC
 AACTGGAGGCCAGTTTTGAGGAAACATTATGAAATATATGATTGTGCTGTTTACACGGAAGGAAGACCT
 AGGGGATGGGACCTTCATGATTATACTAACAACACAAAGAACAAGCCCTTAAAAAATACTTAAAAAG
 TGCAATGGGCGAGTTTGTGCTTTTAAACAAAGAACTGGTGAAGACCAGGAGACCCAGGTGAAAGGTC
 TGTTGAAAATAGCCAATAGTCTCAAAAAGAACTATGATGAGCATTCAAATTCATGGGTGGTCAATTA
 ATCAACACTAGGCCAAATTACTATGCATTTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001077410

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).

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_001077410.1, NP_001070878.1</u>
RefSeq Size:	3656 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 (2) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).