

Product datasheet for **MC227206**

Gimap8 (NM_001286629) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap8 (NM_001286629) 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)
Fully Sequenced ORF:	>MC227206 representing NM_001286629 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACTTCATCCACCAAGGAGCAGCTGCAGGAAGCCAGGCAGAGCACAGAAGCTGTGAAGCATCAG
TAGGACAGGGGAAAGACCGAGTGCCAGCCAGGGTCAGGAGGGCAACTTCAAGCAGAACCAGGGAACGTC
CACACTGCGGCTCCTCTGCTAGGGAACAGGGCGCAGGCAAAAGTGCCACAGGAAACACCATTCTGGGC
AAAGCCGTGTTTCGAGTCCAAGTTCAGTGATCACATGGTAACCGACAGATGCCAGAGCGAGAGTGTGTGAG
TAAGAGGGAAACAGGTCATTGTGATCGATACCCAGATCTTTCTCCTCACTGAGCTGTTGAGAGGTTAG
GCAGCAGAACCTGAAGCAGTGCTTGGAGCTCTTAGCTGATGATCACTGTGTGCTGCTCCTGGTCACTCCC
ATTGGCCACTATACAGAGGAGGACAGGGAGACCATTGAAGGCATCTGGGGTAAAATTGGCCCTAAAGCCT
ACAGACACATGATTGTGGTCTTCACTCGGGAAGATGAGCTGGATGAAGACTCCCTGTGGAACACATTGA
GAGCAAGGAGTCTCTGAAGGAGTTGATTAACAACTTGAAGTCGACGATGTTGTACTTTCAACAACAAG
GCAGACAAGAAGCAGCGGGAAGTGCAGGTGTTCAAGCTGCTTGATGCAATTGAACCTTTGATGATGGAAA
GCCCTGAGCCATATTTTGAAGCCCTTAAATGGAAGCAGTGGAGTCCAGGGTTGTGGGAATGGAGTGAC
ATATGAAGGGGACACTCTGTGTGAAATTTGGAGAAAGATACGCAATCTTCAACTACCGGGCATCTGTGGA
GGAGGAGCAGAGCCAGGTGGGCAAACTACTGAGCCAAATCGAGAAGATGGTGCAGTGCCACAGCAACAAG
CCTTGCGTCATCAGAGAGAAAGAACTTTTAAACATCATCCTCTTGGGAAGGAGTGGGGCTGGAAAGAGTG
CAACTGGGAACACTATCCTGGGGAGATCTGCCTTCTTCTCCAGCTCAGAGCTCAGCCGGTCACCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001286629
Insert Size:	1050 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:	<ol style="list-style-type: none"> 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:	<u>NM_001286629.1, NP_001273558.1</u>
RefSeq Size:	3158 bp
RefSeq ORF:	1050 bp
Locus ID:	243374
Cytogenetics:	6 B2.3
Gene Summary:	<p>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 <i>Arabidopsis thaliana</i>) 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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region resulting in a frameshift and an early stop codon, compared to variant 2. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>