

## Product datasheet for MC211958

### Gimap3 (NM\_031247) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap3 (NM_031247) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gimap3
Synonyms:	2010110D23Rik; Gimap5; I; Ian4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211958 representing NM_031247 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAACACTTCAGAATGTTGTAAACAGGCGGAAAGAAAGGTGGCTGCACCTCAGGGTCAAGGCCACTGAGGATCCTCCTGGTGGCAAATCTGGCTGCGGTAAAAGCGCCACAGGGAACAGCCTCCTCCGACGACCAGCATTCGAGTCCAGGCTCAGAGGCCAGTCTGTGACAAGGACCAGCCAGGCAGAGACAGGCACATGGGAGGGAGGAGCATCCTAGTGGTAGACACACCCCCATCTTTGAGTCAAAGGCCAGAACCAAGACATGGACAAGACATCGGAGACTGCTACCTGCTGTGTGCCCCAGGCCCCATGTGTGTTGCTGGTGACCCAGCTGGGACGCTTCACAGCTGAAGATGTCATGGCTGTGAGGATGGTGAAGGAGGTCTTTGGGGTAGGGGTATGAGGCACATGATCGTCTCTCACCCGCAAGGAAGACCTGGCAGAGAAGTCTTGAAGAGTTTGTGACCCACACTGACAACCGCAGCCTGCGCAGCCTGGTTCAGGAGTGTGGGAGGAGTACTGTGCCTTCAACAACAGGGCCTCTGGGGAGGAGCAGCAAGGGCAGCTGGCAGAGCTCATGGCCCTGGTGGAGGAGTGGAAACAGGAGTGTGAAAGGCTCCTCCACAGCAATGACCTCTTCCCTCATGCCGAGACACTCCTTAGAGAAGTTACAGTGTGCACAGGAAGCCTATAGGTGCTACCTGGCCAAGGTGAGGCAGGAGGTGGAGAAACAGAGTGGGAGCTGGAGGAGCAGGAGGCAGCTGGGTCCCAAGTCTCCCATAGGCCAAAAGTTGGAGGTGTGCATTGAGATTTTGTGGTATTTGGTGGCCATTAATCTTCTTCGTTTTCTTTTTCTTATTTTATGTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031247
Insert Size:	906 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031247.3</a> , <a href="#">NP_112537.2</a>
<b>RefSeq Size:</b>	2145 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	83408
<b>UniProt ID:</b>	<a href="#">Q99MI6</a>
<b>Cytogenetics:</b>	6 B2.3
<b>Gene Summary:</b>	This gene encodes a mitochondrial membrane protein belonging to the GTP-binding superfamily and to the immuno-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. The expression of this gene is induced in BCR/ABL-expressing cells. The encoded protein lacks an N-terminal mitochondrial signal sequence. Experimental studies showed that mitochondrial localization relies on the C-terminal transmembrane domain. In humans, the IAN subfamily genes are located in a cluster at 7q36.1 [provided by RefSeq, Jul 2008]