

## Product datasheet for **SC106133**

### **GIMAP5 (AL080068) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GIMAP5 (AL080068) Human Untagged Clone
Tag:	Tag Free
Symbol:	GIMAP5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AL080068, the custom clone sequence may differ by one or more nucleotides

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GGGGAGGACTCTCTGCTGCCACTTCACCTTCTGAGAGAGGACCAGCGGCCAGAGCCTCAGTGACTGC
CACCCCTGGAGGACAGGGCACAACAACCGTTTCTGGTAAGGAGAAGTGGGTTTATGCTCACAGAGACTTTG
GGAATTGAAAGGATCACAGTTTGGTCACAGCTGTTTCATTCTGACATGACCTTGACAGATCCCCTCACT
TCTGGGTTGCTGGTCAAGTAAAACGGGGCAATGGTGATGAGTGTGCGGGCATCAGCAGGTGCACAGCTG
GTGGAGCACAGCCTGAAGAATCTGTGCCTGCACTCACAGCCCAGTCCCAGGACAGCGGGCTTTGCTGCC
CATTGCCATTACTTAGCCAAGTCGATCTCCATGAAACTCTCAGGGAGTAAGGCTGAACTGATCCTCTCA
TCAGTGGGACAGATGGGAGAAGTGAAGCTCCCAGAGGGTATAGGCTTTCCCCCTCCTCCCTAGCATGC
CGGGGCATTCTTCAATTTTACCCTCCTAATTTCTCCTGTCCCAGACCAGCCAGACACGTACCATGTCT
CAGACAAGCCTGGGAGCTGAGGATGGATTCTTAGGGCTCCCAGGGCAAATGTGGGATATTTTCCACCC
CAGGAGCCTCATGTTCCGAACAAGACCCCTGAGTGGACCTTGCTTTGTGACTTTCAACTTCTGAAAATA
CCCCATGCTCCCAGATGCCCCACATTTTTCCTATGACACCCTGCCGGACGCACACCAAACCGAAAAC
ACATGATTCCAATACCTGGAAATACATGGGCTGGGGCAGATGGGTGAAGGAGATACTTATGAACAAGGAA
GACAAGAAGTGGTTTGATCTTTTCTAAAATAGTATGGAAGAGGCTGCTTTCTTGTAAATTTGCTAAAATA
GCTCTTCTCATGGTAAAATCAGGTTTCATGCAATTTTCAAATCGGAATGTGCATTTTGTTCATTTGCTTCA
CCCTTTTCCCTGAGCCAGACCCTCCCACCAGCTTGCCAGAGGCTGCTACTGTCTTGTGACACATGCTT
TCCAATCTCTCATGAACCTTTGGTCTCTTTTGTGGGACGATTAGTAAAATTTTCCCTTTGGAGAAGACGCC
TGTCTTCATTCTCAATTCCTCCACTTTTGTCTGCCCTGTAGACCAACACGTATCACATTCCTTCAAGCCT
ACGGTGTGTCCACCACGCTCTATTCAGTCTTTTATAATCTTCTCCATGACTCATTTTAGCATTGCCATC
AGTATCCTTTCTGACTCACCTGTGAACACTTTGTTATTTGTGAATATCTGCCAAAAATGTATTCCTCAA
TGCAGCCTGATCCACTCAGAAAGCTTGGATTGGGAGAGCTATTGTTGCTGGTCATTGGCTAACATAACAT
AGTTTGACTGGCTTTTGTGACAGGCAATTGGCTGTTTTAAAAGAAAAGACCTCAATTCAGAGAAACTCCT
GCCACCAGCAATTTTATTTTGAATAACCTTTTATAAGAAATGCACTCAAGATTTTGAATAAAAATCTG
TGTGTTGGTTTTAGGGTAGGCTTCTAGCTGTCCAATTAATTTGTCTCCTGACCAGGGAGTGGCAGCATTG
TACACATGTTCCAAGAGTTTGTGACTTTTTTGGAAAAGTCTTTTTTCCACCTGTGGAATCAAGGACA
ATACACAGCAAAGGAGCCATTTCTGATGCTAGCTCCATTGTAATATGTGACCTTTGGCAGGTCATTT
AATGCTCAGTTTCTTGCATTTTAAAGAAATTTAAGATCAGTTTTGATCACATCACAGGGAATTTGAG
AGAGCAATTAATAAGAAGGATGAAATAACTTTGAAAATATAAATGTATTCACAGAGGCTTATTACAA
TTATGATGTTCAATCAATATCATTACCACTGTATCTTGACCTTACCACATCATTATGTTGATTCCA
AACCTCAGAAAACGTCATCTAAAGTAGAGAGGATGTCAGGGAAGTGGTGCTATTTTAGCAAAAAGCCAGAA
GCATAATTTACCAGAGACGAGAACAGGGTGTGGGAGAGAGGAAAAATGTTCTTCTCTGGGCTTAAGAAAAA
AAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AL080068 unedited GTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTGCCACTTCACCTTCTG AGAGAGGACCAGCGGCCAGACCTCAGTGACTGCCACCCTGGAGGACAGGGCACAACAAC CGTTTCTGGTAAGGAGAAGTGGGTTTATGCTCACAGAGACTTTGGGAATTGAAAGGATCA CAGTTTGGTCACAGCTGTTTCTTGTGACATGACCTTGCACAGATCCCCTCACTTCTGGG TTCGCTGGTCAGTAAAACGGGGCAATGGTGATGAGTGTGCGGGCATCAGCAGGTGCACA GCTGGTGGAGCACAGCCTGAAGAATCTGTGCCTGCACTCACAGCCAGTCCCAGGACAGC GGGCTTTGCTGCCCCATTGCCATTACTTAGCCAAGTCGATCTCCATGAAACTCTCAGGG AGTAAGGCTGAACTGATCCTCTCATCAGTGGGACAGATGGGAGAAGTGAAGCTCCCAGAG GGTGATAGGCTTTCCCCATCTCCCCTAGCATGCCGGGGCATTCTTCAATTTTACCCT CCTAATTTCTCTGTCCCAGACCAGCCAGACACGTACCATGTCTCAGACAAGCCTGGGAG CTGAGGATGGATTCTTAGGGCTCCCAGGGCAAATGTGGGATATTTCCACCCCAGGAG CCTCATGTTCCAAACAAGACCCCTGAGTGGACCTTGTCTGTGACTTTCAACTTCTGAAA ACTACCCCATGCTCCCCAGATGCCACATTNTTCTATGACACCCTGCCGGACGCACA CCAAACCGCAAAACACATGATTCCAATACCTGNNAAATACATGGGCCTGGGGCAAATGGGT GAAAGAGATACTTATGAACAGGAAGACAGGAGTGGTTTGATCTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AL080068
<b>Insert Size:</b>	4700 bp
<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="#">AL080068.1</a>
<b>RefSeq Size:</b>	2113 bp
<b>RefSeq ORF:</b>	2113 bp
<b>Locus ID:</b>	55340
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Transmembrane

**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. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. This gene encodes an antiapoptotic protein that functions in T-cell survival. Polymorphisms in this gene are associated with systemic lupus erythematosus. Read-through transcription exists between this gene and the neighboring upstream GIMAP1 (GTPase, IMAP family member 1) gene. [provided by RefSeq, Dec 2010]