

## Product datasheet for **SC120405**

### GIMAP1 (NM\_130759) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GIMAP1 (NM_130759) Human Untagged Clone
Tag:	Tag Free
Symbol:	GIMAP1
Synonyms:	HIMAP1; IAN2; IMAP1; IMAP38
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130759, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGGAAGGAAGATGGCGACAGATGAAGAAAATGTCTATGGTTTAGAAGAGAACGCTCAGTCCCAGG  
AGGAGTCCACGCGGAGGCTCATCTTGTGGGAGAACAGGGGCCGGGAAGAGCGCCACTGGGAACAGCAT  
CCTGGGCCAGAGACGGTTCTTCTCCAGGCTGGGGCCACGTCTGTGACCAGGGCCTGCACCACGGGCAGC  
CGCAGGTGGGACAAGTGCCACGTGGAAGTCGTGGACACTCCGGACATTTTCAGCTCCAAGTGTCCAAGA  
CAGATCTGGCTGTGAGGAGAGAGGTCACTGCTACCTGCTCTCGGCCCCGGACCCACGCGTGTCTCT  
GGTGACCCAGTTGGTTCGGTTCACCGCCCAGGACCAGCAGGCGGTGAGGCAGGTGAGGGACATGTTCCGG  
GAGGACGTCCTAAAATGGATGGTCATCGTCTTACCAGGAAGGAGACCTGGCCGGGGCTCCCTGCACG  
ATTACGTGAGCAACACAGAGAACCAGGGCCCTTGCAGGAGCTGGTGGCCGAGTGCAGGGGGCCGGTCTGTG  
CTTTGATAACCGGGCCACCGGCCGGGAGCAGGAAGCCAGGTGGAGCAGCTGCTGGGGATGGTCGAGGGC  
TTGGTGTGGAGCACAAGGGCGCCATTACTCCAACGAGGTGTATGAGCTGGCGCAGGTGCTGCGTGGG  
CAGGCCCTGAGGAGCGGCTCCGGCGGGTGGCGGAGCGCTGGCAGCCAGGGTGCAGAGGAGGCCATGGGG  
CGCCTGGCTGTGCGCCCGGCTGTGGAAGTGGTGAAGTCCCCAGGAGCTGGAGGCTGGGCTGGCCCTG  
CTGCTGGGGGGCGGCTCCTGTTCTGGGTGCTGCTCCACAGGCGGTGGTGGAGGCCGTTGGCGAGGTGCG  
GGCCTGACTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_130759 unedited  NCCCCGGTTCGGATTTGTATACGACTCATATAGGCGGCCTGCGAATCGGCACCAGGGGGCT  TCTTGTGGCAACTTCAGAGCCTGTCACCAGGTAAGGTAAAGCATGGGAGGAAGGAAGAT  GGCGACAGATGAAGAAAATGTCTATGGTTTAGAAGAGAACGCTCAGTCCCAGGAGATC  CACGCGGAGGCTCATCCTTGTGGGAGAACAGGGGCCGTGGAAGAGGCCACTGGGAACA  GCATCCTGGGCCAGAGACGGTCTTCTCCAGGCTGGGGCCACGTCTGTGACCAGGGCCT  GCACCACGGGCAGCCGACGGTGGGACAAGTGCCACGTGGAAGTCGTGGACACTCCGGACA  TTTTCAGCTCCCAAGTGTCCAAGACAGATCCTGGCTGTGAGGAGAGAGGTCACTGCTACC  TGCTCTCGGCCCCCGGACCCACGCGCTGCTCCTGGTGACCCAGTTGGGTCGGTTACCCG  CCCAGGACCAGCAGGCGGTGAGGCAGGTGAGGGACATGTTGCGGGAGGACGTCTAAAAT  GGATGGTCATCGTCTTACCAGGAAGGAGGACCTGGCCGGGGGCTCCCTGCACGATTACG  TGAGCAACACAGAGAACCGGGCCTTGCGCGAGCTGGTGGCCGAGTGGGGGGCCGNGGTC  TGTGCCTTTGATAACCGGGCCACCGCCGNGAGCAGGAAGCCCAGGTGGAGCAGCTGTGG  GNGATGGTCGAGGGCTTGNTGTGNAGCACAGGGCGCCATTCTCAACGAGGTGTATGA  GCTGGCGCAGGTGCTGCGCTGNGCAGGCCTGAGGAGCGGCTCGNCGNNTGGCGNAACGC  GTGCAGCCAGGTGCANAGAGGCCTGNGCGCCTGGCTGCGNCCGTTTTTGNNCAGA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_130759 unedited  NACATGGACCCTGCCCGAATCANGATCGATTTTTTTTTCTTTTTTTTTTTTTTTTTGAG  ACAGATTCTTGCTTTGTCAACCCAGCCTGGGATGCANNGGCACGATCTCGGCTCACTGCAT  CAAGTGATTCTCCCGCTCAGCCTCCTGAATGGCTGGGATTACAGGCGAGTGCTATCAGC  CCTGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTCGCCATGTTGGTCAGGCTGAGT  CTCGAACTCCTGACCTCAGGTGATCCACCTGCCTCGACCTCCCAAAGTGTGGGATTACA  GGCGTGAGCCACCTCGCCCGGCCCTTACTTCATTTTGAATGCCATGAACCATAATATGT  TCTAGAAAAGTGGAACTGTTATTTTCCACTTTGTAACAGTACAGTTACATTCATCTTTT  TGGTAGTAAATCATTGTACTATAAACTGATGTCTCAGAAGTAACATTCACGTGTGTAACC  CCCACATTTCTTTATTGATGCTAAAAGTCTACAAGGATCACAAAGGAACCTATCTACCC  ATGTATAAGAAGTAAAAATTATCAAGGAGGGGAGTCTAAATTTTTTAAAAAGCTCGAA  AATAATGGCACTGTTTTCCCTGTGCCATGCGTTTGTCCCACTACAAGCTACTTGACAT  TAGACTACCAAACTACCAAGGAAGTTATTGTTAGACGAATTTATTTAAAACTCTGCA  TACACATCATTTAAAAATGAGTTAAAAACTTAAAAGTGAACCTTCTGACTTTGGCAAGTTGC  AAAGTGATGCAACAAGTTTTCTGTGTCATTAACCTATGCCTGAACTACANGATCCCTTCG  TTGGAATGAAGTTTTCCCTTAGCTCCAAGAATCAGCCTCCCTTACCAATTGCCTTCATTT  TAGGACCTGCGCTTC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_130759
<b>Insert Size:</b>	2000 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="#">NM_130759.2</a> , <a href="#">NP_570115.1</a>
<b>RefSeq Size:</b>	1248 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	170575
<b>UniProt ID:</b>	<a href="#">Q8WWP7</a>
<b>Cytogenetics:</b>	7q36.1
<b>Domains:</b>	AIG1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	This gene encodes a protein belonging to the GTP-binding superfamily and to the immun-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. This gene is thought to be involved in the differentiation of T helper (Th) cells of the Th1 lineage, and the related mouse gene has been shown to be critical for the development of mature B and T lymphocytes. Read-through transcription exists between this gene and the downstream GIMAP5 (GTPase, IMAP family member 5) gene. [provided by RefSeq, Dec 2010]