

Product datasheet for **SC122346**

GIMAP5 (BC011732) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | GIMAP5 (BC011732) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GIMAP5 |
| Synonyms: | FLJ11296; GTPase, IMAP family member 5; hIAN5; HIMAP3; IAN4; IAN4L1; IAN5; IMAP3; immune associated nucleotide 4 like 1; immunity associated protein 3 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for BC011732 edited |

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CTCTCTGCTGCCACTTCACCTTCCTGAGAGAGGACCAGCGGCCAGAGCCTCAGTGACTGC
CACCCCTGGAGGACAGGGCACAACAACCGTTTCTGGAGAGAATGGGAGGATTCCAGAGGGG
CAAATATGGAACATATGGCTGAAGGTAGATCAGAAGATAACTTGTCTGCAACACCACCGGC
ATTGAGGATTATCCTAGTGGGCAAAACAGGCTGCGGGAAAAGTGCCACAGGGAACAGCAT
CCTTGGCCAGCCCGTGTGGTGGTCCAAGCTGAGGGCCAGTCAGTGACCAGGACGTGCCA
GGTGAAAACAGGAACATGGAACGGGAGGAAAGTCTGGTGGTTGACACGCCCTCCATCTT
TGAGTACAGGCCGATACCCAAGAGCTGTACAAGAACATCGGGGACTGCTACCTGCTCTC
TGCCCCGGGGCCACGTCCTGCTTCTGGTGATCCAGCTGGGGCGTTTCACTGCTCAGGA
CACAGTGGCCATCAGGAAGGTGAAAGAGGTCTTTGGGACAGGGCCATGAGACATGTGGT
CATCCTCTTCACCCACAAAGAGGACTTAGGGGGCCAGGCCCTGGATGACTATGTAGCAA
CACGGACAACGCAGCCTGAAAGACCTGGTGCGGGAGTGTGAGAGAAGGTAAGTGTGCCTT
CAACAACCTGGGGCTCTGTGGAGGAGCAGAGGCAGCAGCAGGCTCCTGGCTGTGAT
TGAGAGGCTGGGGAGGGAGCGAGAGGGCTCCTTCCACAGCAATGACCTCTTCTGGATGC
CCAGCTGCTCAAAGAAGTGGAGCTGGGGCCTGCCAGGAAGACTACAGGCAGTACCAGGC
CAAAGTGGAAATGGCAGGTGGAGAAGCACAAGCAAGAGCTGAGGGAGAACGAGAGTAACTG
GGCATAAAGGCGCTCCTCAGAGTCAAACACTTGATGCTTTTGCATTATGAGATTTTGT
TTTTCTATTGTTGTGCAGCATACTTTTTTTCATTATTTTTCTGTTTCATCTTTCATTACAT
TAAATCTCTGGACCCTGGAGCACTTCTAATGTATCAAAAAAAAAAAAAAAAAAAAA

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| 5' Read Nucleotide Sequence: | >OriGene 5' read for BC011732 unedited NNGGTTAGGTACAAATTTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGC TCTCTGCTGCCACTTCACCTTCCTGAGAGAGGACCAGCGGCCAGAGCCTCAGTACTGCC ACCCTGGAGGACAGGGCACAACAACCGTTTCTGGAGAGAATGGGAGGATTCCAGAGGGGC AAATATGGAACATGGCTGAAGGTAGATCAGAAGATAACTTGTCTGCAACACCACCGGCA TTGAGGATTATCCTAGTGGGCAAAACAGGCTGCGGGAAAAGTGCCACAGGGAACAGCATC CTTGCCAGCCCCGTGTTGAGTCCAAGCTGAGGGCCCAGTCAGTGACCAGGACGTGCCAG GTGAAAACAGGAACATGGAACGGGAGGAAAGTCCTGGTGGTTGACACGCCCTCCATCTTT GAGTCACAGGCCGATACCCAAGAGCTGTACAAGAACATCGGGGACTGCTACCTGTCTCT GCCCCGGGGCCCCACGTCTGCTTCTGGTGATCCAGCTGGGGCGTTTCACTGCTCAGGAC ACAGTGGCCATCAGGAAGGTGAAAGAGGTCTTTGGGACAGGGCCATGAGACATGTGGTC ATCCTCTTCACCACAAGAGGACTTAGGGGGCCAGGCCCTGGATGACTATGTAGCAAAC ACGGACAACCTGCAGCCTGAAAGACCTGGTGCGGGAGTGTGAGAGAAGGTACTGTGCCTTC AACAACTGGGGCTCTGTGGAGGAGCAGAAGCAGCAGCANGCAGAGCTCCTGGCTGTGATT GAAAGGCNTGGGAGGGAGCGAGGGCTCCTTNCACAGCATGACCTCTTTCTGGATGCC AGCTGCNTCAAAAACCTGGAGCTGGGGCCTGCCAGGAAGACTACAGCAGTACCAGCCAAG TA |
| Restriction Sites: | Please inquire |
| ACCN: | BC011732 |
| Insert Size: | 1083 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: | <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>BC011732.2, AAH11732.1</u> |
| RefSeq Size: | 1074 bp |
| RefSeq ORF: | 921 bp |
| Locus ID: | 55340 |
| Cytogenetics: | 7q36.1 |
| Protein Families: | 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]