

Product datasheet for **SC111272**

GMIP (NM_016573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMIP (NM_016573) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMIP
Synonyms:	ARHGAP46
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_016573 edited
 ATGGACGCAGCAGAGCCGGGACTCCCCCAGGTCTGAGGGCAGGAAGAGGTACAGTGAC
 ATCTTCCGGAGCCTGGACAACCTCGAAATCTCACTGGGGAACGTGACCCTTGAGATGCTG
 GCTGGAGACCCTCTACTCTCAGAAGACCCAGAACCTGACAAGACCCCTACAGCCACTGTT
 ACCAACGAAGCCAGCTGTTGGAGCGGCCCTCCCCAGAGGGTCTGTACCCCTCACAGGG
 GAGGAACTGGACTTGGGCTCATTCCGACAAAGGGGGTGTGGACGCAGCCCTGGAATAT
 GCCAAGACCTGGAGCCGCTATGCCAAGGAAGTCTTGCCTGGACTGAAAAGAGAGCCAGC
 TATGAGCTGGAGTTTGCTAAGAGCACCATGAAGATCGCTGAAGCTGGCAAGGTGTCCATT
 CAACAGCAGAGCCACATGCCTCTGCAGTACATCTACACCCTGTTTCTGGAGCACGATCTC
 AGCCTGGGAACCTGGCCATGGAGACAGTGGCCAGCAGAAAAGAGACTACTACCAGCCC
 CTCGCCGCCAACCGACTGAGATTGAGAAGTGGCGGAAGGAGTTCAAGGAGCAGTGGATG
 AAGGAGCAGAAGCGGATGAATGAGGCGGTGCAGGCACTGCGGCGCGCCAGCTGCAGTAT
 GTGCAACGCAGCAGGACCTGCGGGCACGCTCCAGGGGTCCCCTGAGGACTCGGCCCCC
 CAGGCCTCGCCGGGACCTAGCAAGCAGCAGGAGCGGCGGCGGCTCGCAGAGGAGGCC
 CAGGCCAAGGCGCAGGAGGCCGAGGCGCTGTACCAGGCCTGTGTCCGCGAGGCCAACGCG
 CGGCAGCAGGACCTGGAGATCGCCAAGCAGCGAATCGTGTGCGACGTGCGCAAGCTGGTG
 TTTCAAGGGGATGAAGTCTGAGGCGGGTGACGCTGAGTCTCTTCGGGCTGCGGGGGGCG
 CAGGCAGAGCGTGGCCCCCGCGCTTCGCCGCCCTGGCCGAGTGTGTGCGCCCTTTGAG
 CCGGGCCAGCGCTACCAGGAGTTTGTACGGGCGCTGCGGCGCGAGGCCCGCGCCCCCG
 CCGCCCGCCTTCTCCTTCCAGGAGTTCTTCCCTCCTTGAACAGCTCCCTCTGGACATC
 AGAAAGAAGCTCTCTGGGCTCTTCTCCAAGGCTGGATGAGAATTCAGCTGAGCCAGGC
 CTTTGGGAGGATCCGGGCACAGGCTGGCGCTGGCAAGGCCCACTCCGGGCAGCGATGTG
 GACAGCTGGGTGGCGGCAGCGAGTCTCGGTCCCTGGACTCACCACCTTCCAGCCAGGC
 GCTGGCAGGAGGAGCTGGTGAAGGCTTCGTCCACAGGCACTGAGTCTCAGATGACTTT
 GAGGAGCGAGACCCTGACCTGGGAGACGGCTGGAGAATGGGCTGGGAGCCCTTCGGG
 AAGTGGACACTGTCCAGCGCGGCTCAGACCCACCAGCTGCGGCGACTGCGGGGCCAGCC
 AAGTGCCGCGAGTGCGAAGCCTTCATGGTCAGCGGACGAGTGTGAGGAGTGCTTTCTG
 ACCTGCCACAAGCGCTGCCTGGAGACTCTCTGATCCTCTGTGGACACAGGCGGCTCCCA
 GCGCGGACACCCCTTTTGGGGTGAATTCCTGCAGCTACCCAGGGACTTCCCGAGGAG
 GTACCTTTTGGTGCACGAAGTGCACGGCTGAGATAGAACACCGTGCCCTGGATGTGACG
 GGCATTTACCGGTCAGCGGGTCCCGGTCCGTGTGGAGCGGCTGTGCCAGGCTTTCGAG
 AATGGCCGAGCGTTGGTGGAGCTGTGCGGGAACCTCGCCTCATGACGTCTCGAGTGTCTC
 AAGCGATTTCTTCAGGAGGGTGGCTGCACGATTTATGGAACAAGATGTCTGCCAACA
 CCTGGGCAATTGTGTTTGGGCCGACACTGCTGCGGCCGCCGAGCGGCCGCGGGCAGCCAG
 CGCCATCCCTGTACCTGCCTGTGACTCTGGGCATCAGGCCAGCTTGTGGAGTTCTCT
 CATCGTGCCTACGAGCAGATCTTTGGGATGGATGAGTCTCCCCAGGCCACTGAGCCCCC
 GCCCCAAGACTCCAGCCAGCCCTGGGCCCCCTCACAACCAGCTCCCAACCGCCACCCCC
 GCACCTTGACCCAGACTCCAGCCCCCAGTCTAGCCTCAGACCCCGGCCAGACCCCCA
 GCACCACAGTACCCTGGAGCAGCATCCACGGCCACACCTACCGAGATTCCAACCTCCACA
 GAGTGACCAGAGAGAGGACGTGGCTGAAGACACCAAGATGGGGGAGGGGAAGTGTCCAG
 CCAAGGCCAGAGGACTCACTCCTGGGGACACAGTCTCGTGGCCACTTCAGCCGCCAGCC
 AGTGAAGTATCCCCGGGGCGGTGTGAGGCCTGTAAACCACAGCTGTCCAGTCTGGCCCT
 GGTGGCTTCCAAGCTGTGCGAGGAGACCCCATCACATCAGTGCCAGAGGGAGTTTGGC
 GGGGCGGGGGCCAGCCCTGCAGCTGCCTCCCCTGAGGGCAGCCCCCTGCGCCGACCCC
 GCTGCCAAGCATTTTGAATTACCCAGGAGACAGCCCGGCTACTCTCGAAATTGGACAG
 CGAGGCTGTGCCAGGGCCACCTGCTGCCCGGACGTCCAGCTGAGGAAGCCGAGGACCA
 TCTCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016573 unedited
TATCCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTGCAGCGGCCGCG
AATTCGGCACGAGGCGGCGGCGGCTGCGGCGGCAGGAAATCGGGGCTCGGCCCGCCGCG
GCGCGACCCCATCCCCATCCCGGTCCCTGCAGAGCGATCCCCGGGCCAGATATGGACGC
AGCAGAGCCGGGACTCCCCCAGGTCTGAGGGCAGGAAGAGGTACAGTGACATCTTCCG
GAGCCTGGACAATCTCGAAATCTCACTGGGGAACGTGACCCTTGAGATGCTGGCTGGAGA
CCCTCTACTCTCAGAAGACCCAGAACCTGACAAGACCCCTACAGCCACTGTTACCAACGA
AGCCAGCTGTTGGAGCGGCCCTCCCCAGAGGGTCTGTACCCCTCACAGGGGAGGAACT
GGACTTGC GGCTCATTCCGACAAAGGGGGTGTGGACGCAGCCCTGGAATATGCCAAGAC
CTGGAGCCGCTATGCCAAGGAAGTCTTGCCTGGACTGAAAAGAGAGCCAGCTATGAGCT
GGAGTTTGCTAAGAGCACCATGAAGATCGCTGAAGCTGGCAAGGTGTCCATTCAACAGCA
GAGCCACATGCCTCTGCAGTACATCTACACCCTGTTTCTGGAGCCCGATCTCAGCCTGGG
AACCTGGCCATGGAGACAGTGGCCAGCAGAAAGAGACTACTACCAGCCCTCGCCCG
CCAACGGACTGAGATTGAGAAGTCCCGGAGGAGTTCAAGAGCANTGGATGAAGAGCAAAG
CCGATGAAATGAGCGTGCAGCCTGCGCGCGCCCGCTGCATATGGCACGCACGAGGACTGC
GGCCGCTCCCAGGTCCCTGAGACCGNCCCAGNCTCGCGGACTACAGCGCAGAGCGCGNG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016573 unedited
TATTACTCAGTCAACCACCAGCATGTGGAGTCTGAGCTGACTCCACCTCCTCCAGGAGGTC
ACTTCGAGTCCGTGAAGGAGGCAGGCAGGTGTGGGGGAGTGACCACAACCAAAGTAGCAA
AAGCACCCCTGTCCCAGGTGTCAGAGACTAGGGTGGACCCCAAGGATCTCATAACCTGCA
CTGACCCCTGAGTATTGACCTGAGTGACCTCTGAGCCCGAGTGGCCCTGATGCTTGGCAG
TGACCTGTGTCTAGTGGGGGACTCTGGGACATTATCCCCAAAAGGGACATAGGCCTTCC
CTAGGTGATGCATTAAATAGTTTTCTTATAGGAACCTCTGGACCTCTTCCATCATTG
AACTCCTGTGCGGGTGTGGGCACTACGTGGTGGGAGGTAGGGATATATGGGTCGGTCT
TCACAATCTGGGCTCTTCTTATTTAAGGTGCCTTGGTGACAGAGATGGAACCTCGGCT
TCCTCATGCTGGACGCCCGGGCAACAGGTGGACCTGGGCACATCCTCGCTGTCCAACCTC
GTGAGTATGCCGTGCTGCCTCCTGGGTAATCTCAAAATGCTTTGTTTCAGCAGGTGTGCGC
AGCAACGGGTTGCCCTTTAGTGACGCTGCTGCACGATGGTCCCTCTTCTAGTATACT
CCCTTTTGGCACCTCATGTGGACGGTGGTCTCCTTGTAACCTGGAAGCCAATCCTGAC
ACGACTGGAACCGCTGGTCAAGACCGAGCGCCTAATACTGCCGTAGGGCATACTTAGT
GGGTATGTAGCTGTATATGGTTACGAGACATTGTATTACATGGACAGATGTATTAAGGAG
CCATTGCAAGGGCACTTTTACACCCCN

Restriction Sites:

NotI-NotI

ACCN:

NM_016573

Insert Size:

3550 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:	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_016573.1, NP_057657.1</u>
RefSeq Size:	3480 bp
RefSeq ORF:	2913 bp
Locus ID:	51291
UniProt ID:	<u>Q9P107</u>
Cytogenetics:	19p13.11
Domains:	RhoGAP, DAG_PE-bind
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the ARHGAP family of Rho/Rac/Cdc42-like GTPase activating proteins. The encoded protein interacts with the Ras-related protein Gem through its N-terminal domain. Separately, it interacts with RhoA through a RhoGAP domain, and stimulates RhoA-dependent GTPase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).