

Product datasheet for **SC337704**

GMIP (NM_001288999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMIP (NM_001288999) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMIP
Synonyms:	ARHGAP46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001288999, the custom clone sequence may differ by one or more nucleotides

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ATGGACGCAGCAGAGCCGGGACTCCCCCAGGTCCTGAGGGCAGGAAGAGGTACAGTGACATCTTCCGGA
GCCTGGACAACCTCGAAATCTCACTGGGGAACGTGACCCCTTGAGATGCTGGCTGGAGACCCCTCTACTCTC
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CAACAGCAGAGCCACATGCCTCTGCAGTACATCTACACCCTGTTTCTGGAGCAGATCTCAGCCTGGGAA
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CAAGATGTCTGCCAACAACCTGGGCATTGTGTTTGGGCCGACACTGCTGCGGCCGCCGGACGGCCCGCG
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ACCCAGGAGACAGCCGGCTACTCTGAAATTGGACAGCGAGGCTGTGCCAGGGCCACCTGCTGCCCG
ACGTCCAGCTGAGGAAGCCGAGGACCATCTCTGA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001288999

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_001288999.1, NP_001275928.1</u>
RefSeq Size:	3481 bp
RefSeq ORF:	2835 bp
Locus ID:	51291
UniProt ID:	<u>Q9P107</u>
Cytogenetics:	19p13.11
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 (3) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.