

Product datasheet for **MC228597**

Sgip1 (NM_001285859) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgip1 (NM_001285859) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sgip1
Synonyms:	3110007P09Rik; gag; SGIP1 alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228597 representing NM_001285859
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGAAGGACTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAAAAGACACTGACT
 CTACAGGCTCGCCAGACCAGATGGAATGCCAGCCACACGAGCCACCCTACCATAGCAAAGCAGAGTG
 TGC CGGGAAGGAGGAAAGAAAGCTTCAAGAAAAGCAATGGGGACCAATGGATTTTATGCAGAAATC
 GATTGGGAAAGATATAACTCACCTGAGCTAGATGAAGAAGGTTACAGCATCAGACCTGAGGAACCAGGCT
 CTACCAAAGGAAAGCACTTTTATTCCTCAAGTGAATCTGAAGAGGAAGAAGAGTCGCACAAGAAATCAA
 CATCAAGATTAACCCCTGCAATCTAAGGACGTCCTGAAGAATGCAGCGACGGTAGATGAGCTGAAGGCT
 TCAATAGGCAACATCGCACTTTCCCTTCGCTGTGAGGAAAAGTCCGAGGCGCAGCCCGGTGCAATTA
 AAAGAACTTATCCAGTGAAGAAGTTGCAAGACCAGGCGTTCCACCCAACTCCAGAATTACAAGCAA
 GAAGCCTCTGGATGACACTCTGGCCCTTGTCCCCTCTTTGGTCCACCATTAGAGTCAGCTTTTGATGAG
 CAGAAGACGGAAGTTCTTTAGATCAGCCTGAGATATGGGGTTCAGGCCAACCGATGAACCAAGTACGG
 AGTCGCCAGAGCTAGCAAGACCTTTCCCACTGGAACACCTCCACCTCTGCCTCCAAAACTGTACCAGC
 CACTCCGCTCGAACAGGCTCCCTTAACAGTTGCAACAGGTGCGTCTTCTCCTGCTCGACCAGCCACC
 CCCTTAGTTCTTGCAGCACCCTCCGCTCCACCTCCTCCCGGCTCCATCCCGGCAAAAGCTACCTC
 CAGGAAAGCCTGGAGTTGGAGATGTGTCCAGACCTTTAGCCACCCATACACTCCTCCAGCCCTCCTCC
 GATAGCACCTTAGCCCGGGCTGAAAGCACTTCTCAATATCGTCAACTAACTACTGAGCGCAGCCACC
 ACTCCACAGTTGAGAATGAACAGCCCTCCCTCGTTTGGTTTGACAGAGGAAAGTTTTATTTGACTTTTG
 AAGGTTCTCCCGGGGCCAGTCCCCTAACTATGGGGGCCAGGACACCCTCCCGGTCCGACAGCTTT
 CACAGAAACTGTCAACGCCTACTTCAAAGGAGCAGATCCAAGCAAGTGCATTGTTAAGATCACGGGAGAA
 ATGGTGTGTCTTCCCTGCTGTATCACCAGACACTTTGCCAACACCCATCCCCAGCAGCTCTGACTT
 TCCGGGTGGTAAATCCAGCAGGTTAGAGCAGCTCCTGCCGAACCCCAACTTCTCTGCTGTGATAATAC
 ACAAAATGATGCCAATACCAAGGAATTCTGGGTAACATGCCAAATTTGATGACTCACCTAAAGAAAGTC
 TCTGAACAAAACCCAGGCTACATACTATAATGTGGACATGCTCAAATATCAGGTGTCTGCCAGGGCA
 TTCAGTCCACACCTCTGAACTTGGCGGTGAACTGGCGCTGTGAGCCTGCGAGCACTGACCTGCGCATAGA
 CTATAAGTACAACACGGATGCCATGTCCACTGCAGTGGCCCTCAACAACGTGCAGTTCCTGGTCCCATA
 GACGGAGGAGTGACCAAGCTTCAGGCTGTCTTCTCCAGCAGTCTGGAATGCTGAACAACAAGAATAT
 TATGGAAGATTCCGATATCTCCAGAAGTCAGAAAATGGAGGCGTAGGTTCTTTACTGGCGAGATTTCA
 GTTATCCGAAGGCCGAGCAAACCTTCCCGCTGGTTGTGCGAGTTCACGAGTGAAGGAAGTACTCTCTCT
 GGCTGTGACATTGAACTTGTGGAGCAGGCTACCGGTTTTCACTCATTAAAGAAGAGGTTTGTGCAAGAA
 AGTACTTGGCAGATAACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285859

Insert Size: 1980 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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>NM_001285859.1, NP_001272788.1</u>
RefSeq Size:	5004 bp
RefSeq ORF:	1980 bp
Locus ID:	73094
UniProt ID:	<u>Q8VD37</u>
Cytogenetics:	4 C6
Gene Summary:	<p>May function in clathrin-mediated endocytosis. Has both a membrane binding/tubulating activity and the ability to recruit proteins essential to the formation of functional clathrin-coated pits. Has a preference for membranes enriched in phosphatidylserine and phosphoinositides and is required for the endocytosis of the transferrin receptor. May also bind tubulin. May play a role in the regulation of energy homeostasis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in both the 5' and central coding regions, and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>