

Product datasheet for **MC229051**

Sgip1 (NM_001285852) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgip1 (NM_001285852) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sgip1
Synonyms:	3110007P09Rik; gag; SGIP1alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229051 representing NM_001285852
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGAAGGACTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAAAAGACACTGACT
 CTACAGGCTCGCCAGACCGAGATGGAATGCAGGGGAAAAAAGGCTCAGAAGACACAGCTTCTCCTCAC
 CTCTTGCTTCTGGCTCAGAGCCCTCTCCTTAACCTGTCTCAGCAGCCAGCCACACGAGCCACCTAC
 CATAGCAAAGCAGAGTGTGCGCGGAAGGAGGGAAGAAAGCTTCGAAGAAAAGCAATGGGGCACCAATG
 GATTTTATGCAGAAATCGATTGGGAAAGATATAACTCACCTGAGCTAGATGAAGAAGTTACAGCATCAG
 ACCTGAGGAACCGGCTTACCAAAGGAAAGCACTTTTATTCTCAAGTGAATCTGAAGAGGAAGAAGAG
 TCGCACAAGAAATCAACATCAAGATTAACCCCTTGAATCTAAGGACGTCTGAAGAATGCAGCGACGG
 TAGATGAGCTGAAGGCTCAATAGGCAACATCGCACTTTCCCTTCGCCTGTGAGGAAAAGTCCGAGGGC
 CAGCCCGGTGCAATTAAGGAACTTATCCAGTGAAGAAGTTGAAGACCCAGGCGTTCCACCCCACT
 CCAGAACTTACAAGCAAGAAGCCTCTGGATGACTCTGGCCCTTGTCCCTCTTTGGTCCACCATTAG
 AGTCAGCTTTTGATGAGCAGAAGACGGAAGTTCTTTTAGATCAGCCTGAGATATGGGGTTCAGGCCAAC
 GATGAACCAAGTACGGAGTCGCCAGAGCTAGCAAAGACCTTTCCCACTGGAACACCTCCACCTCTGCCT
 CCAAAAAGTGTACCAGCCACTCCGCCTCGAACAGGCTCCCTTAAACAGTTGCAACAGGAAATGACCAGG
 CAGCCACAGAGGCCAAAATTGAGAACTACCATCCATCAGTGACCTGGACAGCATTTTGGGCCAGTGTT
 GTCGCCAAGTCTGTTGCTGTTAATACTGAAGAGAAGTGGTCCATTTTCTGATGCATCCCGGAAACAT
 GTTACTCCAGAGTTGACTCCAAGGGAACAGGTGGTGACCCACAGCTGCATCAGACATCCAGCTGACT
 CCCCAGTCCAGCCCCACTGGCCCCACAGGCTCCGAGGTCCCCAGGGCTCCTGGTCTCGCCATGT
 ACCATCTCCGCTCAATTTAGAAGAAGTCCAGAAGAAAGTTGCTGAGCAGACCTTCATTAAGATGATTAC
 TTAGAAACACTCTCATCTCTAAAGAGTGTGGTTGGGACAGAGCAACTCCACCTCCCCACACCAC
 CCACCTACAGGACTGTGGTCTCGTCCCGGACCTGGCTCGGGCAGTGGTACGGGGACCACAGTGGTGC
 GTCTTCTCCTGCTCGACCAGCCACCCCTTAGTTCCTTGACGACCACCTCCGCCTCCACCTCCTCCCGG
 CCTCCATCCCGGCAAAGCTACCTCCAGGAAAGCCTGGAGTTGGAGATGTGTCCAGACCTTTAGCCAC
 CCATACACTCCTCCAGCCCTCCTCGATAGCACCTTAGCCGGGCTGAAAGCACTTCTCAATATCGTC
 AACTAACTCACTGAGCGAGCCACCACTCCACAGTTGAGAATGAACAGCCCTCCCTCGTTGGTTTGAC
 AGAGGAAAGTTTTATTTGACTTTTGAAGTTTCTCCCGGGGCCAGTCCCTAACTATGGGGGCCAGG
 ACACCCTCCCGGTGCGCAGCAGCTTTCACAGAACTGTCAACGCCTACTTCAAAGGAGCAGATCCAAGCAA
 GTGCATTGTTAAGATCACGGGAGAAATGGTGTGCTCCTCCCTGCTGGTATCACCAGACACTTTGCCAAC
 AACCCATCCCGCAGCAGCTGACTTTCCGGGTGGTAAATCCAGCAGTTAGAGCACGTCTGCCGAACC
 CCCAACTTCTCTGCTGTGATAATACAAAAATGATGCCAATACCAAGGAATCTGGGTAACATGCCAAA
 TTTGATGACTCACCTAAGAAAGTCTCTGAACAAAAACCCAGGCTACATACTATAATGTGGACATGCTC
 AAATATCAGGTGTCTGCCAGGGCATTAGTCCACACCTCTGAACCTGGCGGTGAACGGCGTGTGAGC
 CTGCGAGCACTGACCTGCGCATAGACTATAAGTACAACACGGATGCCATGTCCACTGCAGTGGCCCTCAA
 CAACGTGCAGTTCTGGTCCCATAGACGGAGGAGTGACCAAGCTTCAGGCTGTGCTTCTCCAGCAGTC
 TGGAAATGCTGAACAACAAGAAATATTATGGAAGATTCCCGATATCTCCAGAAAGTCAAGAAATGGAGGCG
 TAGGTTCTTTACTGGCGAGATTTAGTTATCCGAAGGCCGAGCAACCTTCCCGCTGGTTGTGACGTT
 CACGAGTGAAGGAAGTACTCTCTGGCTGTGACATTGAACCTGTTGGAGCAGGCTACCGTTTTCACTC
 ATTAAGAAGAGGTTTGTGTCAGGAAAGTACTTGGCAGATAACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285852
Insert Size: 2565 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_001285852.1, NP_001272781.1</u>
RefSeq Size:	5589 bp
RefSeq ORF:	2565 bp
Locus ID:	73094
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 (1) represents the longest transcript and encodes the longest 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>