

Product datasheet for **MC228454**

Sgip1 (NM_001285862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgip1 (NM_001285862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sgip1
Synonyms:	3110007P09Rik; gag; SGIP1alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228454 representing NM_001285862
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAAGGACTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAAAAGACACTGACT
 CTACAGGCTCGCCAGACCGAGATGGAATGAAGAAAAGCAATGGGGCACCAATGGATTTTATGCAGAAAT
 CGATTGGGAAAGATATAACTCACCTGAGCTAGATGAAGAAGGTTACAGCATCAGACCTGAGGAACGAGC
 TCTACCAAGGAAAGCACTTTTATTCTCAAGTGAATCTGAAGAGGAAGAAGAGTCGCACAAGAAATTCA
 ACATCAAGATTAAACCTTGCAATCTAAGGACGTCCTGAAGAATGCAGCGACGGTAGATGAGCTGAAGGC
 TTCAATAGGCAACATCGCACTTTCCCTTCGCCTGTGGGTGAATTTAAAGGAACCTATCCAGTGAAGAA
 GTTGCAAGACCCAGGCGTTCCACCCCACTCCAGAATTACAAGCAAGAAGCCTCTGGATGACACTCTGG
 CCCTTGCTCCCTCTTTGGTCCACCATTAGAGTCAGCTTTTGATGAGCAGAAGACGGAAGTTCTTTTGA
 TCAGCCTGAGATATGGGGTTTCAGGCCAACCGATGAACCAAGTACGGAGTCGCCAGAGCTAGCAAGACCT
 TTCCCCACTGGAACACCTCCACCTCTGCCTCCAAAACTGTACCAGCCACTCCGCCTCGAACAGGCTCCC
 CCTTAACAGTTGCAACAGGTGCGTCTTCTCCTGCTCGACCAGCCACCCCTTAGTTCTTGCAGCACCAC
 TCCGCCTCCACCTCCTCCCCGGCCTCCATCCCGGCCAAAGCTACCTCCAGGAAAGCCTGGAGTTGGAGAT
 GTGTCCAGACCTTTTAGCCACCCATACACTCCTCCAGCCCTCCTCCGATAGCACCTTAGCCCGGGCTG
 AAAGCACTTCTCAATATCGTCAACTAACTCACTGAGCGCAGCCACCACTCCACAGTTGGTTCTCTCCG
 GGGGCCAGTCCCTAACTATGGGGGCCAGGACACCTCCCGGTGCGAGCAGCTTTCACAGAACTGTC
 AACGCCTACTTCAAAGGAGCAGATCCAAGCAAGTGCATTGTTAAGATCACGGGAGAAATGGTGTTCCT
 TCCCTGCTGGTATCACCAGACACTTTGCCAACAAACCCATCCCCAGCAGCTGACTTTCCGGGTGGTAAA
 TTCCAGCAGGTTAGAGCACGTCTGCGCAACCCCACTTCTCTGCTGTGATAATACACAAAATGATGCC
 AATACCAAGGAATTCTGGGTAAACATGCCAAATTTGATGACTCACCTAAAGAAAGTCTCTGAACAAAAAC
 CCCAGGCTACATACTATAATGTGGACATGCTCAAATATCAGGTGTCTGCCAGGGCATTAGTCCACACC
 TCTGAACCTGGCGGTGAACCTGGCGCTGTGAGCCTGCGAGCACTGACCTGCGCATAGACTATAAGTACAAC
 ACGGATGCCATGTCCACTGCAGTGGCCCTCAACAACGTGCAGTTCTGGTCCCCATAGACGGAGGAGTGA
 CCAAGCTTCAGGCTGTGCTTCTCCAGCAGTCTGGAATGCTGAACAACAAAGAATATTATGAAGATTCC
 CGATATCTCCAGAAGTCAGAAAATGGAGGCGTAGGTTCTTTACTGGCGAGATTTCAATTATCCGAAGGC
 CCGAGCAAACCTTCCCCGCTGGTTGTGACGTTACGAGTGAAGGAAGTACTCTCTCTGGCTGTGACATTG
 AACTTGTTGGAGCAGGCTACCGTTTTCTACTATTAAAGAGAGTTTGTGTCAGGAAAGTACTTGGCAGA
 TAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285862

Insert Size: 1827 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285862.1, NP_001272791.1</u>
RefSeq Size:	4851 bp
RefSeq ORF:	1827 bp
Locus ID:	73094
UniProt ID:	<u>Q8VD37</u>
Cytogenetics:	4 C6
Gene Summary:	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] Transcript Variant: This variant (5) lacks six alternate in-frame exons among the 5' and central coding regions, compared to variant 1, resulting in an isoform (e) that 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.