

Product datasheet for **SC105435**

SGIP1 (NM_032291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGIP1 (NM_032291) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGIP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032291, the custom clone sequence may differ by one or more nucleotides

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ATGATGGAAGGATTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAAAGGACACTGATT
CTACAGGTTACCAGATAGAGATGGAATTCAGCCAGCCACACGAACCACCTACAATAGCAAAGCAGA
GTGTGCGCGTGAAGGAGGAAAAAAGTTTGAAGAAAAGCAATGGGGACCAAATGGATTTTATGCGGAA
ATTGATTGGGAAAGATATAACTCACCTGAGCTGGATGAAGAAGGCTACAGCATCAGACCCGAGGAACCCG
GCTCTACCAAAGGAAAGCACTTTTATTCTTCAAGTGAATCGGAAGAAGAAGAATCACATAAGAAATT
TAATATCAAGATTAACCATTGCAATCTAAAGACATTCTTAAGAATGCTGCAACTGTAGATGAATTGAAG
GCATCAATAGGCAACATCGCACTTTCCCATCACCAGTGAGGAAAAGTCCGAGGCGCAGCCCGGTGCAA
TAAAAGGAACTTATCCAGTGAAGAAGTGGCAAGACCCAGGCGTCCACACCACTCCAGAACTTAAAG
CAAAAAGCCTCCAGATGACACTACGGCCCTTGCTCCTCTCTTTGGCCACCCTAGAATCAGCTTTTGAT
GAACAGAAGACAGAAGTTCTTTTAGATCAGCCTGAGATATGGGGTTCAGGCCAACCAATTAATCCAAGCA
TGGAGTCGCCAAAGTTAACAAGGCCTTTCCCACTGGAACACCTCCACCCTGCCTCCAAAAATGTACC
AGCTACCCACCCGAACAGGATCCCCCTTAACAATTGGACCAGGAAATGACCAGTCAGCCACAGAGGTC
AAAATTGAAAACTACCATCCATCAATGACTTGGACAGCATTTTTGGGCCAGTATTGTCCCCCAAGTCTG
TTGCTGTTAATGCTGAAGAAAAGTGGGTCCATTTTTCTGATACATCCCCGGAACATGTTACTCCGGAGTT
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CCTCTCGGCCCCAGGTCCCACAGGCCCCAGGGCCTCCTGGGCCTCCTCGCAATGTACTATCGCCGC
TCAATTTAGAAGAAGTCCAGAAGAAAGTCGCTGAGCAGACCTTCATTAAGATGATTACTTAGAAACAAT
CTCATCTCTAAAGATTTGGGTTGGGACAAAGAGCAACTCCACCTCCCCACCACCACCACCTACAGG
ACTGTGGTTTCGTCGCCCGGACCTGGCTCGGGCCTGGTCCGGGGACCACCAGTGGTGCATCATCCCCTG
CTCGACCAGCCACTCCTTTGGTTCCTTGAGAAGTACCCTCCACCTCCACCTCCTCCCCGGCCTCCATC
CCGGCCAAAGCTACCTCCAGGAAAACCTGGAGTTGGAGATGTGTCCAGACCTTTAGCCCTCCCATTTCAT
TCTTCCAGCCCTCCTCCAATAGCACCCCTTAGCGCGGGCTGAAAGCACTTCTTCAATATCGTCAACCAATT
CCTTGAGCGCAGCCACCCTCCACAGTTGAGAATGAACAGCCTTCCCTCGTTTGGTTTACAGAGGAAA
GTTTTATTTGACTTTTGAAGTTCTTCCAGGGGACCCAGCCCCCTAACCATGGGAGCTCAGGACACTCTC
CCTGTTGCAGCAGCATTTACAGAAACAGTCAATGCCTATTTCAAAGGAGCAGACCCAAGCAAATGTATCG
TTAAGATTACCGGAGAAATGGTGTGTCTATTTCTGCTGGCATCACCAGACACTTGCCAACAACCCGTC
CCCAGCTGCTCTGACTTTTCGGGTGATAAATTTAGCAGGTTAGAACACGTCCTGCCAAACCCCAACTT
CTCTGCTGTGATAATACAAAAATGATGCCAATACCAAGGAATTCTGGGTAACATGCCAAATTTGATGA
CTCACCTAAAGAAAGTGTCTGAACAAAAACCCAGGCTACATATTATAACGTTGACATGCTCAAATATCA
GGTGTCTGCCAGGGCATTTCAGTCCACACCTCTGAACCTGGCAGTGAATTGGCGATGTGAGCCTTCAAGC
ACTGACCTGCGCATAGATTACAAATATAATACAGATGCAATGACGACTGCTGTGGCCCTCAACAATGTGC
AGTTCTGGTCCCATCGACGGAGGAGTCACCAAGCTCCAGGCAGTGTCCCACCAGCAGTCTGGAATGC
TGAACAACAGAGAATATTGTGGAAGATTCCTGATATCTCTCAGAAGTCAGAAAATGGAGGGGTGGTTCT
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AAGGAAGCACCCCTTTCTGGCTGTGACATTGAACTTGTGGAGCAGGGTATCGATTTTCACTCATCAAGAA
AAGGTTTGTGTCAGGAAAATACTTGGCAGATAACTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032291 unedited</p> <pre> NNTTGTCAAATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGAG GTGAAGAAGCACCAGCAGCATCCATGGCCTGTCTTTTGGCTTAACACTTATCTCCTTTGG CTTTGACAGCGGACGGAATAGACCTCAGCAGCGGCGTGGTGAGGACTTAGCTGGGACCTG GAATCGTATCCTCCTGTGTTTTTTCAGACTCCTTGAAATTAAGGAATGCAATTCTGCCA CCATGATGGAAGGATTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAA AGGACTGATTCTACAGGTTCCACCAGATAGAGATGGAATTCAGCCCAGCCCACACGAAAC CACCCTACAATAGCAAAGCAGAGTGTGCGCGTGAAGGAGAAAAAAGTTTCGAAGAAAA GCAATGGGGCACCAAATGGATTTTATGCGGAAATTGATTGGGAAAGATATAAECTCACCTG AGCTGGATGAAGAAGGCTACAGCATCAGACCCGAGGAACCCGGCTCTACCAAAGGAAAGC ACTTTTATTCTCAAGTGAATCGGAAGAAGAAGAATCACATAAGAAATTTAATATCA AGATTAACCATTGCAATCTAAGACATTCTTAAGAAATGCTGCAACTGTAGATGAATTGA AGGCATCAATAGGCAACATCGCACTTTCCCATCACCAGTGAGGGAAAAGTCCGAGGCGC AGCCCGGGTGCAATTAAGGAACCTTATCCAGTNAAGAAGTGGCAAGAACCAGGCGTT CCACCAACTCCAGAATTATAAGCAAAAAGCCTNCAGATGACTACTACGGCCCTTGCTC CTCTCTTTGGCCACACTAGATCAGCTTTTGATGACAGAGAACAGAAGTCTTTTATAGTCA CCTGAAATTTGGGGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032291 unedited</p> <pre> TTGTCCGCGCCGAATCTAGTGTGAGTTTTTTTTTTTTTTTTTAAATTTTACATGTT TTTAAATATGCTTTGTATTAATATCAATTTTTTAAATGAATTGATTACTTAAAAACAT TGTTATATTCATATGCTGGATAATTCTCAGTTTGTGCTGCTTACTCTCCATTGATTTTG GTGCATAAATCCATGTTTCATGGAATTTAAATTTTGCATTTTCTATTTTGGTTTCAA AATCAAATTTGGATACCTTTACATAAAAATGAGTATATTTAGTTCGTTCAAAGAACTTCAA CACCAGACTGCTGTAGGGGGCCAACTGAGAGTTTGTGTAATAGTAAGAATTTCCCATGG TAAACAAATCATTTTGGACATTCTCTTGGTAGCAAGCACTGATAGAGGAGTACAAAGAT TAATTTAAAAGTTTCACTATAAAACAATTGCCAGTCACAATCTCATTTTAGAAGTAAAAC TTTAAAATTTAATTTAATTTCTAAAATTTAAAGGGGCTAAAGATTCTTTGTTAAATTTGA GTGGGTGTAATAAGAAATTTAACTAATAATTAATAAATAAATAAATAAATAAATAAATAA ATTTAATAGCATAACCTGTAATAGAAAATGGTTTATGTTTAAATAAGTTCTATGACTTAA AGGAAGACTAACATTTTTCAGATATTAATGACGGAAGGTTCTACAACCTGAGACTCCCGAAG AGTTCCGCTTTCTAAATGGTCATATGGGAGGCCAGATTGAATATTACAGTTTTTATATA CCCTGCAACGATAGAACGACCTACATTTTGAACCCCCCTTTGCTTCCCAAAATGGC AAAATTTACAGGTTTACAATGATCCTAATCTCCCAAAGAATTTTTCACCGGAATGGGA AAAATTCCTTATAAGCCATTTTTCATCCCAAAGAATAACAAGATTAAACTCCCTTCG ATCTAACAGGGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032291
Insert Size:	4640 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: [NM_032291.1](#), [NP_115667.1](#)

RefSeq Size: 4694 bp

RefSeq ORF: 2487 bp

Locus ID: 84251

UniProt ID: [Q9BQI5](#)

Cytogenetics: 1p31.3

Gene Summary: SGIP1 functions as an endocytic protein that affects signaling by receptors in neuronal systems involved in energy homeostasis via its interaction with endophilins (see SH3GL3; MIM 603362) (Trevaskis et al., 2005 [PubMed 15919751] and Uezu et al., 2007 [PubMed 17626015]). [supplied by OMIM, Mar 2008]

Transcript Variant: This variant (1) encodes isoform 1. 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.