

## Product datasheet for **MC203936**

### Sgip1 (NM\_144906) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sgip1 (NM_144906) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sgip1
Synonyms:	3110007P09Rik; gag; SGIP1 alpha
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC017596

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GGGAGACTGTAGGTGAAGCAGCACTAGCTGCATCCATGGCCGGTCTTTTCGGGTTAACACTTGTCTCCTTT
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TAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_144906

**Insert Size:**

2421 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:**
[BC017596](#), [AAH17596](#)

RefSeq Size: 3738 bp

RefSeq ORF: 2421 bp

Locus ID: 73094

UniProt ID: [Q8VD37](#)

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 (2) lacks an alternate in-frame exon in both the 5' and central coding regions, compared to variant 1, resulting in an isoform (b) 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.