

Product datasheet for **MR230758**

Sgip1 (NM_001285860) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgip1 (NM_001285860) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR230758 representing NM_001285860
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGAAGGACTGAAAAACGTACAAGGAAGGCCTTTGGAATACGGAAGAAAGAAAAAGACACTGACT
 CTACAGGCTCGCCAGACCAGATGGAATGCCAGCCACACGAGCCACCCTACCATAGCAAAGCAGAGTG
 TGC GCGGAAGGAGGGAAGAAAGCTTCAAGAAAAGCAATGGGGCACCAATGGATTTTATGCAGAAATC
 GATTGGGAAAGATATAACTCACCTGAGCTAGATGAAGAAGGTTACAGCATCAGACCTGAGGAACCAGGCT
 CTACCAAAGGAAAGCACTTTTATTCCTCAAGTGAATCTGAAGAGGAAGAAGAGTCGCACAAGAAATTCAA
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 GGTCCCATAGACGGAGGAGTGACCAAGCTTCAGGCTGTGCTTCCAGCAGTCTGGAATGCTGAACAA
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 GCTGCAGGAAAGTACTTGGCAGATAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230758 representing NM_001285860
Red=Cloning site Green=Tags(s)

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MMEGLKKRTRKAFGIRKKEKDTDSTGSPDRDGMPSPEPPYHKAECAREGGKKASKKSNAPNGFYAEI
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AAGKYLADN
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001285860

ORF Size: 1917 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001285860.1](#), [NP_001272789.1](#)

RefSeq Size: 4944 bp

RefSeq ORF: 1920 bp

Locus ID: 73094

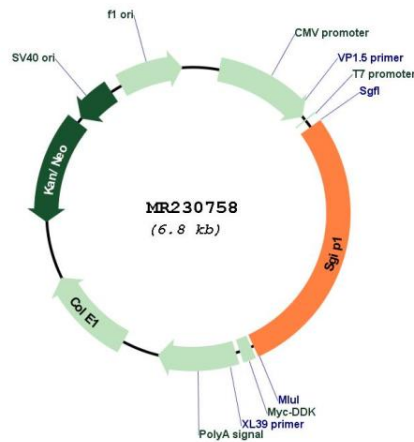
UniProt ID: [Q8VD37](#)

Cytogenetics: 4 C6

MW: 69.3 kDa

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]

Product images:



Circular map for MR230758