

Product datasheet for **MR209036**

Scfd1 (BC027793) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd1 (BC027793) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scfd1
Synonyms:	RA410, STXBP1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209036 representing BC027793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAATTTCAATGTGCCTCATGTTAAAAACAGTACTGGAGAACCAGTATGGAAGTACTCATTATG
 ACAGATTTGGCCAAGATATCATCTCCTCTGCTGTGTGAAGGAACTGAGAGACATGGGCATCACTCT
 GCATCTCCTTTTGCAGTACAGACCAGATCCGATCCAGATGTTCCCTGCAGTGTACTTTGTGATGCCAAC
 GAAGAAAATATTGACAGACTGTGCCAGGATCTTCGAAATCAGCTCTATGAATCCTATTATTTAAATTTTA
 TTTCTGCGATTTCAAGAAGTAACTGGAAGACATTGCGAATGCAGCATTGGCCGCTAGTGCAGTCACACA
 AGTTGCCAAGTTTTGACCAAGTATCTCAATTTTATTACTTTGGAAGATGACATGTTTGTATTATGTAAT
 CAAAATAAGGAAGTTGTTTCATATCGTGCCATTAACAGGCCAGACATCACAGACACAGAGATGGAACTG
 TTATGGACACTATTGTGGACAGCCTCTTCTGCTTTTTTGTACATTAGGTGCTGTTCCCATCATCCGATG
 CTC AAGAGGAACGGCGGAGAAAATGGTGGCAGTAACTAGATAAAAACTTCGGGAAAACTAAGAGAT
 GCAAGAAACAGCCTTTTACCGGTGATCCACTTGGAACTGGCCAGTTCAGCTTCCAAAGGCTTTATTAG
 TCCTTGTTGACAGAAACATTGACCTGGCAACGCCTTTACACCATACGTGGACATACCAAGCGCTGGTACA
 CGATGTGCTGGATTTCCACTTAAACAGAGTAAATTTGGAAGAATCTACAGGAGTGGAAAACCTCCAGCT
 GGTGCTAGACCAAAGAGGAAAAACAAGAAGTCTTACGACTTAACTCCAGTTGATAAATCTGGCAGAAGC
 AATAAGGAAGTCCATTCCAGAAGTCGAGAATCAGTCCAACAAGAACTAGAATCTTACAGAGCACAGA
 AGATGAGGTCAAACGACTGAAGAGCATTATGGGACTAGAAGGAGAGGATGAAGGGCCATCAGCATGCTT
 TCTGATAACACTGCTAAGCTCACATCAGCTGTCAGTTCTTTGCCAGAACTCCTTGAAAAAAAAGACTTA
 TTGATCTGCACAAAAATGTTGCCACTGCTGTTTTAGAACACATAAAGGCAAGAAAACCTGGATGATATTT
 TGAATATGAAGAAAAAATAATGAGCAAGACTACTCTGGATAAGTCCCTCCTAGACGTATATCCGACCCT
 GATGCAGGGACTCCGGAAGACAAAAATGAGGCTGTTTTCTTATCTATTACATAAGCGCACAGCAAGCACCGT
 CCGAGGTTGATTTGGAGCAGTAAAAAGGCTTTAACAGATGCAGGCTGCAACCTTAGCCCTTTACAGTA
 TATCAAGCAGTGGAAAGGCTTTTGCCAAGATGGCCTCAACTCCTGCCAGCTACGGAACACTACCACTAAA
 CCAATGGGTCTCCTGTCCCGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGTGTGAAGAACCTGG
 TATTGAAGCAGCAGAATCTACCTGTTACTCGGATTTTAGACAATCTCATGGAGATGAAGTCAAACCTGA
 AACTGATGATTATAGATATTTGATCCAAAATGCTGCGGAGTAAAGACAGCTCCTTCTCTACAAAAC
 GAAGAACCCCTGCTTCCAGGAAGGTGGACCTGGAATACCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209036 representing BC027793
 Red=Cloning site Green=Tags(s)

MLNFNVPVHKVNSTGEPVWKVLIYDRFGQDIISPLL SVKELRDMGITLHLLLHSDRDPIDVPAVYFVMPT
 EENIDRLCQDLRNQLYESYYLNFISAISRKLEDIANAALAASAVTQVAKVFDQYLNFTILEDMMFVLCN
 QNKELVSYRAINRPDITDTEMETVMDTIVDSLFCFFVTLGAVPIIRCSRGTAAEMVAVKLDKKLRENLRD
 ARNSLFTGDPLGTGQFSFQRPLLVLVDRNIDLATPLHHTWTYQALVHDVLDVHFNLRVNLLEESTGVENSPA
 GARPKRKNKKSVDLTPVDKFWQKHGSPFPEVAESVQVELESYRAQEDVVKRLKSIKMGLEGEDEGAISML
 SDNTAKLTSAVSSPELLEKKRLIDLHTNVATAVLEHIKARKLDVYFEYEEKIMSKTTLDKSLLDVSDP
 DAGTPEDKMRLFLIYYISAQQAPSEVDLEQYKALTDAGCNLSPLQYIKQWKAFKMASTPASYGNTTK
 PMGLLSRVMTGSQFVMEGVKNLVLKQQLPVTRILDNLMEMKSNPETDDYRYFDPKMLRSNDSSFLYKT
 EPPASQEGGPGIPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9043_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC027793

ORF Size: 1725 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: [BC027793.1](#)

RefSeq Size: 3135 bp

RefSeq ORF: 1727 bp

Locus ID: 76983

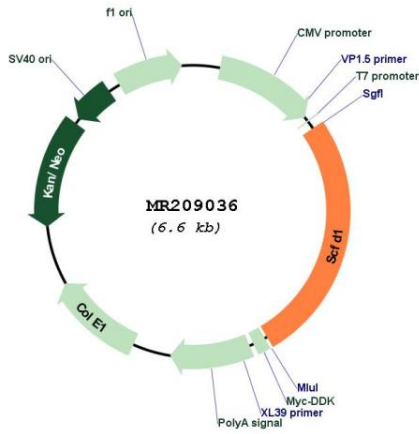
Cytogenetics: 12 B3

MW: 115 kDa

Gene Summary:

Plays a role in SNARE-pin assembly and Golgi-to-ER retrograde transport via its interaction with COG4. Involved in vesicular transport between the endoplasmic reticulum and the Golgi (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209036