

Product datasheet for **MC220017**

Scfd1 (NM_029825) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd1 (NM_029825) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scfd1
Synonyms:	3110021P21Rik; RA410; STXBP1L2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220017 representing NM_029825
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGGAAGCAAGATGGCGGCCACGGCCAGCATTCCGGGAGAGGCAAACAGTGGCTCTGAAGCGGATGT
 TGAATTTCAATGTGCCTCATGTTAAAAACAGTACTGGAGAACCAGTATGGAAGGTAATCATTATGACAG
 ATTTGGCCAAGATATCATCTCTCCTCTGCTGTCTGTGAAGGAAGTGAAGACATGGGCATCACTCTGCAT
 CTCCTTTTGCAGTACAGCCGAGATCCGATTCCAGATGTTCTGCAGTGTACTTTGTGATGCCAACCGAAG
 AAAATATTGACAGACTGTGCCAGGATCTTCGAAATCAGCTCTATGAATCCTATTATTTAAATTTTATTTT
 TGCGATTTCAAGAAGTAACTGGAAGACATTGCGAATGCAGCATTGGCCGCTAGTGCAGTACACAAAGTT
 GCCAAGGTTTTGACCAGTATCTCAATTTTATTACTTTGGAAGATGACATGTTTGTATTATGTAATCAA
 ATAAGGAAGTTTTCATATCGTGCCATTAACAGGCCAGACATCAGACACAGAGATGGAACTGTTAT
 GGACACTATTGTGGACAGCCTCTCTGCTTTTTGTTACATTAGGTGCTGTTCCCATCATCCGATGCTCA
 AGAGGAACGGCGGCAGAAATGGTGGCAGTGAACTAGATAAAAACTTCGGGAAAATCTAAGAGATGCAA
 GAAACAGCCTTTTACCAGGATCCACTTGGAACTGGCCAGTTCCAGTTCCTAAAGGCCTTTATTAGTCTT
 TGTGACAGAAACATTGACCTGGCAACGCCTTTACACCATACGTGGACATACCAAGCGCTGGTACACGAT
 GTGCTGGATTTCCACTTAAACAGAGTAAATTTGGAAGAATCTACAGGAGTGGAAAATCTCCAGCTGGTG
 CTAGACCAAAGAGGAAAAACAAGAAGTCTTACGACTTAACTCCAGTTGATAAATTTCTGGCAGAAGCATAA
 AGGAAGTCCATTTCCAGAAGTCCGAGAATCAGTCCAACAAGAAGTGAATCTTACAGAGCACAAGAAGAT
 GAGGTCAAACGACTGAAGAGCATTATGGGACTAGAAGGAGAGGATGAAGGGGCCATCAGCATGCTTTCTG
 ATAACACTGCTAAGCTCACATCAGCTGTCAGTTCTTTGCCAGAACTCTTGAAAAAAAAGACTTATTGA
 TCTGCACACAAATGTTGCCACTGCTGTTTTAGAACACATAAAGGCAAGAAAAGTGGATGTATATTTTGAA
 TATGAAGAAAAATAATGAGCAAGACTACTCTGGATAAGTCCCTCTAGACGTCATATCCGACCCTGATG
 CAGGGACTCCGGAAGACAAAATGAGGCTGTTTCTTATCTATTACATAAGCGCACAGCAAGCACCGTCCGA
 GGTTGATTTGGAGCAGTATAAAAAGGCTTTAACAGATGCAGGCTGCAACCTTAGCCCTTTACAGTATATC
 AAGCAGTGAAGGCTTTTGCCAAGATGGCCTCACTCCTGCCAGCTACGGAAACTACCCTAAACCAA
 TGGGTCTCCTGTCCGAGTCATGAATACAGGATCACAGTTGTGATGGAAGGTGTGAAGAACCTGGTATT
 GAAGCAGCAGAATCTACCTGTTACTCGGATTTAGACAATCTCATGGAGATGAAGTCAAACCTGAAACT
 GATGATTATAGATATTTTATCCAAAATGCTGCGGAGTAAAGACAGCTCAGTTCTAGGAACAAAAGTC
 CATTCCAAGAGGCCATTGTCTTTGTTGGTAGGAGGAGGCAACTATATTGAATATCAGAATCTTGTGACTA
 CATAAAGGCAAAGCAAGGCAAGCATATCTTATATGGCTGCAGTGAGATTTTAAATGCTACACAGTTCATA
 AAACAGCTGTCACAGCTTGGACAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_029825
- Insert Size:** 1920 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_029825.3](#), [NP_084101.1](#)

RefSeq Size: 2176 bp

RefSeq ORF: 1920 bp

Locus ID: 76983

UniProt ID: [Q8BRF7](#)

Cytogenetics: 12 B3

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]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).