

## Product datasheet for **RC204550**

### SCFD1 (NM\_182835) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | SCFD1 (NM_182835) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | SCFD1                                    |
| Synonyms:                 | C14orf163; RA410; SLY1; SLY1P; STXBP1L2  |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



[View online »](#)

**ORF Nucleotide Sequence:**

>RC204550 representing NM\_182835  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAATCACTCTGCATCTGCTTTTACTCTGATCGAGATCCTATTCCAGATGTTCTGCAGTATACT  
 TTGTAATGCCAACTGAAGAAAATTGACAGAATGTGCCAGGATCTTCGAAATCAACTATATGAATCATA  
 TTATTTAAATTTTATTTCTGCTATTTCAAGAAAGTAACTGGAAGATATTGCAAAATGCAGCGTTAGCAGCT  
 AGTGCAGTAACACAAGTAGCCAAGGTTTTGACCAATATCTCAATTTTACTTTGGAAGATGATATGT  
 TTGTATTATGTAATCAAATAAGGAGCTTGTTTCATATCGTGCCATTACAGGCCAGATACACAGACAC  
 GGAAATGGAACTGTTATGGACTATAGTTGACAGCCTCTTCTGCTTTTTTGTACTCTGGGTGCTGTT  
 CCTATAATCAGATGTTCAAGAGGAACAGCAGCAGAAATGGTAGCAGTGAACTAGACAAGAACTTCGAG  
 AAAATCTAAGAGATGCAAGAAACAGTCTTTTTACAGGTGATACACTTGGAGCTGGCCAATTCAGCTTCCA  
 GAGGCCCTTATTAGTCTTGTGACAGAAACATAGATTTGGCACTCCTTACATCATACTTGGACATAT  
 CAAGCATTGGTGCACGATGACTGGATTTCCATTTAAACAGGGTAAATTTGGAAGAACTTCAGGAGTGG  
 AAAACTCTCCAGCTGGTCTAGACCAAAGAGAAAAACAAGAACTTATGATTTAACTCCGGTTGATAA  
 ATTTTGGCAAAAACATAAAGGAAGTCCATTTCCAGAAGTTCAGAAATCAGTTCAGCAAGAAGTAACT  
 TACAGAGCACAGGAAGATGAGGTCAAACGACTTAAAGCATTATGGGACTAGAAGGGGAAGATGAAGGAG  
 CCATAAGTATGCTTTCTGACAATACCGCTAAGCTAACATCAGCTGTTAGTTCTTTGCCAGAACTCCTTGA  
 GAAAAAAGACTTATTGATCTCCATACAAATGTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAA  
 TTGGATGTATATTTGAATATGAAGAAAAAATAATGAGCAAACTACTCTGGATAAATCTCTTCTAGATA  
 TAATATCAGACCCTGATGCAGGAACCCAGAAGATAAAAATGAGGTTGTTTTCTTATCTATTATATAAGCAC  
 ACAGCAAGCACCTTCTGAGGCTGATTTGGAGCAATATAAAAAAGCTTTAACTGATGCAGGATGCAACCTT  
 AATCCTTTACAATATATCAAACAGTGGAAGGCTTTTACCAAGATGGCCTCAGCTCCGGCCAGCTATGGCA  
 GCACTACCACTAAACCAATGGGTCTTTTATCACGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGG  
 AGTGAAGAACCTGGTTTTGAAACAGCAAACTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATG  
 AAGTCAAACCCGAACTGATGACTATAGATATTTTATCCCAAATGCTGCGGGGCAATGACAGCTCAG  
 TTCCAGAAAATAAAATCCATTCAGAGGCCATTGTTTTTGGTGGGAGGAGGCAACTACATTGAATA  
 TCAGAATCTTGTGACTACATAAAGGGGAAACAAGGCAACACATTTTATATGGTGCAGTGAGCTTTTT  
 AATGCTACACAGTTCATAAAACAGTTGTCACAACCTGGACAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC204550 representing NM\_182835  
 Red=Cloning site Green=Tags(s)

MGITLHLLLHSDRDPIDVPAVYFVMPTEENIDRMCQDLRNQLYESYLLNFISAI SRSKLEDIANAALAA  
 SAVTQVAKVFDQYLNFITLEDDMFVLCNQNKELVSYRAINRPDITDTEMETVMDTIVDSLFCFFVTLGAV  
 PIIRCSRGTAAEMVAVKLDKCLRNLRENLRDARNSLFTGDTLGAGQFSFQRPLLVLVDRNIDLATPLHHTWY  
 QALVHDVLDVHFLNRVNL EESSGVENSPAGARPKRKNKSYDLTPVDKFWQKHGSPFPEVAESVQQUELES  
 YRAQEDVVKRLK SIMGLEGEDEGAISMLSDNTAKLTSVSSLP ELLKRLIDLHTNVATAVLEHIKARK  
 LDVYFEYEEKIMSKTTLDKSLLDIISDPDAGTPEDKMRLFLIYYISTQQAPSEADLEQYKKALTDAGCNL  
 NPLQYIKQWKAF TKMASAPASYGSTTTKPMGLLSRVMNTGSQFVMEGVKNLVLKQQNLPVTRILDNLMEM  
 KSNPETDDYRYFDPKMLRGNDSSVPRNKNPFQEAIVFVGGGNYIEYQNLVDYIKGKQGKHILYGCSELF  
 NATQFIKQLSQLGQK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2784\\_h04.zip](https://cdn.origene.com/chromatograms/ja2784_h04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_182835

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_182835.2](#), [NP\\_878255.1](#)

**RefSeq Size:** 2162 bp

**RefSeq ORF:** 1728 bp

**Locus ID:** 23256

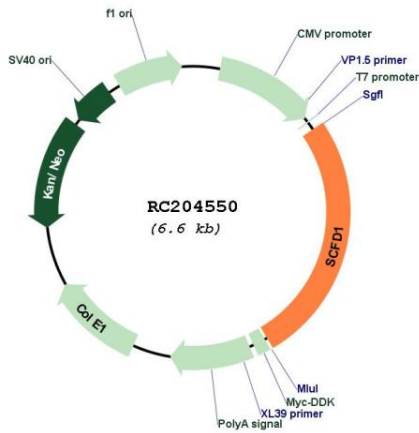
UniProt ID: [Q8WVM8](#)

Cytogenetics: 14q12

MW: 65.1 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 RC204550