

## Product datasheet for **RC238337**

### SCFD1 (NM\_001283031) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCFD1 (NM_001283031) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCFD1
Synonyms:	C14orf163; RA410; SLY1; SLY1P; STXBP1L2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238337 representing NM\_001283031  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACTGTTATGGACACTATAGTTGACAGCCTCTTCTGCTTTTTTGTACTCTGGTGCTGTTCTTA  
 TAATCAGATGTTCAAGAGGAACAGCAGCAGAAATGGTAGCAGTAACTAGACAAGAACTTCGAGAAAA  
 TCTAAGAGATGCAAGAAACAGTCTTTTTACAGGTGATACACTGGAGCTGGCCAATTCAGCTCCAGAGG  
 CCCTTATTAGTCCTTGTGACAGAAACATAGATTTGGCAACTCCTTTACATCATACTGGACATATCAAG  
 CATTGGTGCACGATGACTGGATTTCCATTTAAACAGGGTTAATTTGGAAGAATCTTCAGGAGTGGAAAA  
 CTCTCCAGCTGGTGTAGACCAAAGAGAAAAACAAGAAGTCTTATGATTTAACTCCGGTTGATAAATTT  
 TGGCAAAAACATAAAGGAAGTCCATTCCAGAAGTTGAGAATCAGTTCAGCAAGAACTAGAATCTTACA  
 GAGCACAGGAAGATGAGGTCAAACGACTTAAAAGCATTATGGGACTAGAAGGGGAAGATGAAGGAGCCAT  
 AAGTATGCTTTCTGACAATACCGCTAAGCTAACATCAGCTGTTAGTTCTTTGCCAGAACTCCTTGAGAAA  
 AAAAGACTTATTGATCTCCATACAAATGTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAATGG  
 ATGTATATTTTGAATATGAAGAAAAAATAATGAGCAAACTACTCTGGATAAATCTCTTCTAGATATAAT  
 ATCAGACCCTGATGCAGGAACTCCAGAAGATAAATGAGGTTGTTTTCTTATCTATTATATAAGCACACAG  
 CAAGCACCTTCTGAGGCTGATTTGGAGCAATATAAAAAAGCTTTAACTGATGCAGGATGCAACCTTAATC  
 CTTTACAATATATCAAACAGTGGGAGGCTTTTACCAAGATGGCCCTCAGCTCCGGCCAGCTATGGCAGCAC  
 TACCACTAAACCAATGGGTCTTTTATCAGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGAGTG  
 AAGAACCTGGTTTTGAAACAGCAAAATCTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATGAAGT  
 CAAACCCGAAACTGATGACTATAGATATTTTATCCTCCAAAATGCTGCGGGGCAATGACAGCTCAGTTCC  
 CAGAAATAAAAAATCCATTCCAAGAGGCCATTGTTTTTGTGGTGGGAGGAGGCAACTACATTGAATATCAG  
 AATCTTGTGACTACATAAAGGGGAAACAAGGCAACACATTTTATATGGCTGCAGTGAGCTTTTTAATG  
 CTACACAGTTCATAAAACAGTTGTCACAACTTGGACAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238337 representing NM\_001283031  
 Red=Cloning site Green=Tags(s)

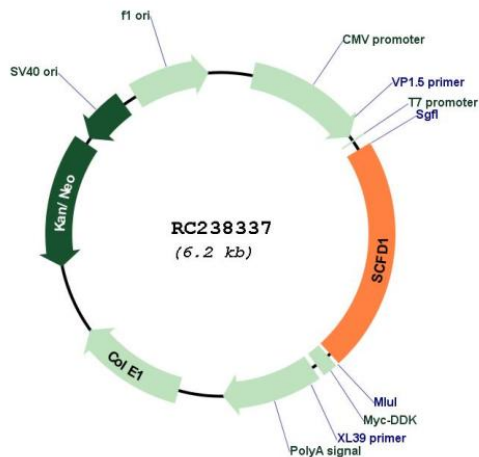
METVMDTIVDSLFCFFVTLGAVPIIRCSRGTAEMVAVKLDKKLRENLRDARNLFTGDTLGGQFSFQR  
 PLLVLVDRNIDLATPLHHTWYQALVHDVLDVDFHLNRVNLEESSGVENSPAGARPKRKNKSYDLTPVDFK  
 WQKHKGSFPFEVAESVQQELESYRAQEDEVKRLKSIMGLEGEDEGAISMLSDNTAKLTSVSSLPelleK  
 KRLIDLHTNVATAVLEHIKARKLDVYFEEYEEKIMSKTTLDKSLLDIISDPDAGTPEDKMRLFLIYYISTQ  
 QAPSEADLEQYKKALTDAGCNLNPLQYIKQWKAFTKMASAPASYGSTTKPMGLLSRVMTGSQFVMEGV  
 KNLVLKQQNLPVTRILDNLMEMKSNPETDDYRYFDPKMLRGNDSVPRKNPFQEAIVFVGGGNYIEYQ  
 NLVDYIKGKQGHILYGCSELFNATQFIKQLSQLGQK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001283031

**ORF Size:** 1371 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\\_001283031.1](#), [NP\\_001269960.1](#)

**RefSeq Size:** 2145 bp

**RefSeq ORF:** 1374 bp

**Locus ID:** 23256

**Cytogenetics:** 14q12

**MW:** 52 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]