

Product datasheet for **RC238338**

SCFD1 (NM_001283033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCFD1 (NM_001283033) 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:

>RC238338 representing NM_001283033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACTGTTATGGACACTATAGTTGACAGCCTCTTCTGCTTTTTTGTACTCTGGTGCTGTTCTTA
 TAATCAGATGTTCAAGAGGAACAGCAGCAGAAATGGTAGCAGTAACTAGACAAGAACTTCGAGAAAA
 TCTAAGAGATGCAAGAAACAGTCTTTTTACAGGTGATACACTGGAGCTGGCCAATTCAGCTCCAGAGG
 CCCTTATTAGTCCTTGTGACAGAAACATAGATTTGGCAACTCCTTTACATCATACTGGACATATCAAG
 CATTGGTGCACGATGACTGGATTTCCATTTAAACAGGGTTAATTTGGAAGAATCTTCAGGAGTGGAAAA
 CTCTCCAGCTGGTGTAGACCAAAGAGAAAAACAAGAAGTCTTATGATTTAACTCCGGTTGATAAATTT
 TGGCAAAAACATAAAGGAAGTCCATTCCAGAAGTTGAGAATCAGTTCAGCAAGAACTAGAATCTTACA
 GAGCACAGGAAGATGAGGTCAAACGACTTAAAAGCATTATGGGACTAGAAGGGGAAGATGAAGGAGCCAT
 AAGTATGCTTTCTGACAATACCGCTAAGCTAACATCAGCTGTTAGTTCCTTGCCAGAACTCCTTGAGAAA
 AAAAGACTTATTGATCTCCATACAAATGTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAATGG
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 CAAGCACCTTCTGAGGCTGATTTGGAGCAATATAAAAAAGCTTTAACTGATGCAGGATGCAACCTTAATC
 CTTTACAATATATCAAACAGTGGGAGGCTTTTACCAAGATGGCCCTCAGCTCCGGCCAGCTATGGCAGCAC
 TACCACTAAACCAATGGGTCTTTTATCAGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGAGTG
 AAGAACCTGGTTTTGAAACAGCAAAATCTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATGAAGT
 CAAACCCGAAACTGATGACTATAGATATTTTATGATCCAAAATGCTGCGGGGCAATGACAGCTCAGTTCC
 CAGAAATAAAAAATCCATTCCAAGAGGCCATTGTTTTTGTGGTGGGAGGAGGCAACTACATTGAATATCAG
 AATCTTGTGACTACATAAAGGGGAAACAAGGCAACACATTTTATATGGCTGCAGTGAGCTTTTTAATG
 CTACACAGTTCATAAAACAGTTGTCACAACCTGGACAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238338 representing NM_001283033
 Red=Cloning site Green=Tags(s)

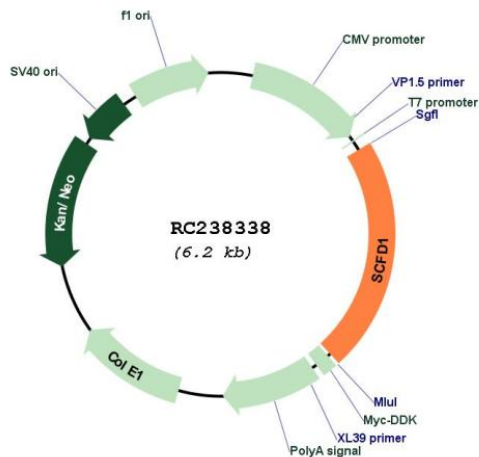
METVMDTIVDSLFCFFVTLGAVPIIRCSRGTAEMVAVKLDKKLRENLRDARNLFTGDTLGGQFSFQR
 PLLVLDVRNIDLATPLHHTWYQALVHDVLDLHFLNRVNLEESSGVENSPAGARPKRKNKSYDLTPVDFK
 WQKHKGSFPFEVAESVQQELESYRAQEDEVKRLKSIMGLEGEDEGAISMLSDNTAKLTSVSSLPELLEK
 KRLIDLHTNVATAVLEHIKARKLDVYFEYEEKIMSKTTLDKSLLDIISDPDAGTPEDKMRLFLIYYISTQ
 QAPSEADLEQYKKALTDAGCNLNPLQYIKQWKAFTKMASAPASYGSTTKPMGLLSRVMTGSQFVMEGV
 KNLVLKQQNLPVTRILDNLMEMKSNPETDDYRYFDPKMLRGNDSVPRKNPFQEAIVFVGGGNYIEYQ
 NLVDYIKGKQGHILYGCSELFNATQFIKQLSQLGQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001283033

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_001283033.1](#), [NP_001269962.1](#)

RefSeq Size: 1931 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]