

Product datasheet for **SC323919**

SCFD1 (NM_182835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCFD1 (NM_182835) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCFD1
Synonyms:	C14orf163; RA410; SLY1; SLY1P; STXBP1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182835.1
 ATGGCGCGGCGGCGGCAGCGACAGCAGCAGCAGCCAGTATTCGGGAAAGGCAGACA
 GTGGCTTTGAAGCGTATGTTGAATTTCAATGTGCCTCATATTAACAGCACAGGAGAA
 CCAGTATGGAAGTACTCATTTATGACAGATTTGGCCAAGATATAATCTCTCCTCGTA
 TCTGTGAGGGAGCTAAGAGACATGGGAATCACTCTGCATCTGCTTTTACACTCTGATCGA
 GATCCTATCCAGATGTTCCCTGCAGTATACTTTGTAATGCCAACTGAAGAAAATATTGAC
 AGAATGTGCCAGGATCTTCGAAATCAACTATATGAATCATATTTAAATTTTATTCT
 GCTATTTCAAGAAGTAACTGGAAGATATTGCAAATGCAGCGTTAGCAGCTAGTGACAGTA
 ACACAAGTAGCCAAGGTTTTGACCAATATCTCAATTTTATTACTTTGGAAGATGATATG
 TTTGTATTATGTAATCAAAATAAGGAGCTTGTTTCATATCGTGCCATTACAGGCCAGAT
 ATCACAGACACGGAAATGGAACTGTTATGGACTATAGTTGACAGCCTCTTCTGCTTT
 TTTGTTACTCTGGGTGCTGTTCCATAATCAGATGTTCAAGAGGAACAGCAGCAGAAATG
 GTAGCAGTGAACTAGACAAGAACTTCGAGAAAATCTAAGAGATGCAAGAAACAGTCTT
 TTTACAGGTGATACACTGGAGCTGGCCAATTCAGCTCCAGAGGCCCTTATTAGTCTT
 GTTGACAGAAACATAGATTTGGCAACTCCTTTACATCATACTTGGACATATCAAGCATTG
 GTGCACGATGACTGGATTTCCATTTAAACAGGGTTAATTTGGAAGAATCTTCAGGAGTG
 GAAAACCTCCAGCTGGTGTAGACCAAAAGAGAAAAACAAGAAGTCTTATGATTTAACT
 CCGGTTGATAAATTTGGCAAAAACATAAAGGAAGTCCATTTCCAGAAGTTGCAGAAATCA
 GTTCAGCAAGAAGTAACTTTACAGAGCACAGGAAGATGAGGTCAAACGACTTAAAAGC
 ATTATGGGACTAGAAGGGGAAGATGAAGGAGCCATAAGTATGCTTTCTGACAATACCGCT
 AAGCTAACATCAGCTGTTAGTCTTTGCCAGAACTCCTTGAGAAAAAAGACTTATTGAT
 CTCCACAAAATGTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAATTGGATGTA
 TATTTTGAATATGAAGAAAAAATGAGCAAACTACTCTGGATAAATCTCTTCTAGAT
 ATAATATCAGACCCTGATGCAGGAACCTCAGAAGATAAAATGAGGTTGTTTCTTATCTAT
 TATATAAGCACACAGCAAGCACCTTCTGAGGCTGATTTGGAGCAATATAAAAAAGCTTTA
 ACTGATGCAGGATGCAACCTTAATCCTTTACAATATATCAAACAGTGGAAGGCTTTTACC
 AAGATGGCCTCAGCTCCGGCCAGCTATGGCAGCACTACCACTAAACCAATGGGTCTTTTA
 TCACGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGAGTGAAGAACCTGGTTTTG
 AAACAGCAAAATCTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATGAAGTCAAAC
 CCCGAACTGATGACTATAGATATTTGATCCCAAAATGCTGCGGGCAATGACAGCTCA
 GTTCCAGAAATAAAATCCATTCGAAGAGGCCATTGTTTTTGGTGGGAGGAGGCAAC
 TACATTGAATATCAGAATCTTGTGACTACATAAAGGGGAAACAAGGCAACACATTTTA
 TATGGCTGCAGTGAAGCTTTTAAATGCTACACAGTTCATAAAACAGTTGTCACAACTTGA
 CAAAAGTAACACAGAAGAACCTTACTATGATAATCTACTTGAATGTGGATAAATGTAA
 AAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_182835

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_182835.1](#), [NP_878255.1](#)

RefSeq Size: 2101 bp

RefSeq ORF: 1728 bp

Locus ID: 23256

UniProt ID: [Q8WVM8](#)

Cytogenetics: 14q12

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 (2) lacks an exon in the 5' region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a.