

Product datasheet for **SC114458**

SCFD1 (NM_016106) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCFD1 (NM_016106) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCFD1
Synonyms:	C14orf163; RA410; SLY1; SLY1P; STXBP1L2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016106, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGGCGGCGGCGGCAGCGCAGCAGCAGCAGCAGCCAGTATTCGGGAAAGGCAGACAGTGGCTTTGA
AGCGTATGTTGAATTTCAATGTGCCTCATATTAACACAGCACAGGAGAACAGTATGGAAGTACTCAT
TTATGACAGATTTGGCCAAGATATAATCTCTCCTCTGCTATCTGTGAAGGAGCTAAGAGACATGGGAATC
ACTCTGCATCTGCTTTTACACTCTGATCGAGATCCTATTCAGATGTTCCCTGCAGTATACTTTGTAATGC
CAACTGAAGAAAATATTGACAGAATGTGCCAGGATCTTCGAAATCAACTATATGAATCATATTATTTAAA
TTTTATTTCTGCTATTTCAAGAAGTAACTGGAAGATATTGCAAATGCAGCGTTAGCAGCTAGTGCAGTA
ACACAAGTAGCCAAGGTTTTGACCAATATCTCAATTTTATTACTTTGGAAGATGATATGTTGTATTAT
GTAATCAAATAAGGAGCTTGTTCATATCGTGCCATTAACAGGCCAGATATCACAGACACGGAAATGGA
AACTGTTATGGACACTATAGTTGACAGCCTCTTCTGCTTTTTTGTACTCTGGGTGCTGTTCTATAATC
AGATGTTCAAGAGGAACAGCAGCAGAAAATGGTAGCAGTAAAAGTACAGCAAGAACTTCGAGAAAATCTAA
GAGATGCAAGAAACAGTCTTTTTACAGGTGATACACTTGGAGCTGGCCAATTCAGCTTCCAGAGGCCCTT
ATTAGTCCTTGTGACAGAAACATAGATTTGGCAACTCCTTTACATCATACTTGGACATATCAAGCATTG
GTGCACGATGACTGGATTTCCATTTAAACAGGGTTAATTTGGAAGAATCTTCAGGAGTGGAAAACCTCTC
CAGCTGGTGTAGACCAAGAGAAAAACAAGAAGTCTTATGATTTAACTCCGGTTGATAAATTTGGCA
AAAACATAAAGGAAGTCCATTCCAGAAGTTCAGAAATCAGTTCAGCAAGAACTAGAATCTTACAGAGCA
CAGGAAGATGAGGTCAAACGACTTAAAAGCATTATGGGACTAGAAGGGGAAGATGAAGGAGCCATAAGTA
TGCTTTCTGACAAATCCGCTAAGCTAACATCAGCTGTTAGTTCCTTGGCAGAACTCCTTGAGAAAAAAG
ACTTATGATCTCCATACAAAATGTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAATGGATGTA
TATTTTGAATGAAGAAAAAATAATGAGCAAACTACTCTGGATAAATCTCTTAGATAAATATATCAG
ACCCTGATGCAGGAACCCAGAAGATAAAATGAGGTTGTTTTCTTATTATATAAGCACACAGCAAGC
ACCTTCTGAGGCTGATTTGGAGCAATATAAAAAAGCTTTAACTGATGCAGGATGCAACCTTAATCCTTTA
CAATATATCAAACAGTGGAAAGGCTTTTACCAAGATGGCCTCAGCTCCGGCCAGCTATGGCAGCACTACCA
CTAAACCAATGGGTCTTTTATCACGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGAGTGAAGAA
CCTGGTTTTGAAACAGCAAAATCTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATGAAGTCAAAC
CCCGAACTGATGACTATAGATATTTTGTATCCCAAAATGCTGCGGGGCAATGACAGCTCAGTTCAGAA
ATAAAAAATCCATTCCAAGAGGCCATTGTTTTGTGGTGGGAGGAGGCAACTACATTGAATATCAGAACTC
TGTTGACTACATAAAGGGGAAACAAGGCAACACATTTTATATGGCTGCAGTGAGCTTTTTAATGCTACA
CAGTTCATAAAACAGTTGTCACAACCTTGACAAAAGTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016106 unedited

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GCGGCATTTGTATACGACTCCTATAGGCGGCCGCGNATTCAGCAGNAGATGGCGGCG
GCGGCGGCAGCGACAGCAGCAGCAGCAGCCAGTATTCGGGAAAGGCAGACAGTGGCTTTG
AAGCGTATGTTGAATTTCAATGTGCCTCATATTAACACAGCACAGGAGAACAGTATGG
AAGGTACTCATTATGACAGATTTGGCCAAGATATAATCTCTCCTCTGCTATCTGTGAAG
GAGCTAAGAGACATGGGAATCACTCTGCATCTGCTTTTACACTCTGATCGAGATCCTATT
CCAGATGTTCCCTGCAGTACTTTGTAATGCCAACTGAAGAAAATATTGACAGAATGTGC
CAGGATCTTCGAAATCAACTATATGAATCATATTTTAAATTTTATTTCTGCTATTTCA
AGAAGTAACTGGAAGATATTGCAAAATGCAGCGTTAGCAGCTAGTGCAGTAACACAAGTA
GCCAAGGTTTTTGACCAATATCTCAATTTTATTACTTTGGAAGATGATATGTTTGTATTA
TGTAATCAAATAAAGGAGCTTGTTCATATCGTGCCATTAACAGGCCAGATATCACAGAC
ACGGAAAATGGAACTGTTATGGACACTATAGTTGACAGCCTCTTCTGCTTTTTTGTACT
CTGGGTGCTGTTCTATAATCAGATGTTCAAGAGGAACAGCAGCAGAAAATGGTAGCAGTG
AACTAGACAAGAACTTCGAGAAAATCTAAGAGATGCAAGAAACAGTCTTTTTACAGGT
GATACACTTGGAGCTGGCCAATTCAGCTTCCAGAGGCCCTTATTAGTNCTTGNTGACAGA
AACCATAGATTGGNCACTCCTTTACATCATACTGGNACATATCAAGCATTGGTGCACGAT
GTACTGGNATTCATTTAAACAGGNGTAAT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016106 unedited GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAACAATGTTGAAATTT TATTTCTGAAATGTTTCTTTTAAATCAATACATATTAAGTATATAATTTTCCTTAAAAATTA ACAAATAACTCTGATTTTCACTGTTAGGACACTGTTACAGAGAAGGAAACATATTGCTCT TCTAACTTTTCTCTTTTACATTTATCCACATTCCAAGTAGATTATCATAGTAAGGTTT TTCTGTGTTACTTTTGTCCAAGTTGTGACAACACTGTTTTATGAAGTGTGTAGCATTAAAAA GCTCACTGCAGCCATATAAAATGTGTTTGCCTTGTTCCTTTTATGTAGTCAACAAGAT TCTGATTTCAATGTAGTTGCCTCCTCCACCACAAAAACAATGGCCTCTTGAATGGAT TTTTATTCTGGGAAGTGTGCTGTCATTGCCCGCAGCATTGTTGGGATCAAAATATCTAT AGTCATCAGTTTCGGGGTTTACTTCATCTCCATAAGATTGTCCAAAATACGAGTAACAG GTAGATTTTGTGTTTCAAACCAGGTTTCTCACTCCTCCATCACAAACTGTGATCCTG TATTCATGACTCGTGATAAAAGACCCATTGTTTGTAGTGGTGTGCTGCCATAGCTGGCCG GAGCTGANGCCATCTTGGTAAAAGCCTTCCACTGTTTGTATATTTGTAAGGATTAAGGT TGCATCCTGCATCAGTTAAAGCTTTNTTATATTGCTCCCAATCAGCCTCAGAAGGTGCTT GCTGTGTGCTTATATAATAGATAAGAAAACACCTATTTTATCTTCTGGAGTNCCTGCAT CANGGTCTGATATATATCTAGAGAGATTTCCAGAGNAGTTTGTGCATATTTTTTCTCAT ATCAAAAATACATCCAATTTCTGCCTTAATTGTCTAAACAGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_016106
Insert Size:	2340 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:	<ol style="list-style-type: none"> 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:	<u>NM_016106.2</u> , <u>NP_057190.2</u>
RefSeq Size:	2172 bp
RefSeq ORF:	1929 bp
Locus ID:	23256
UniProt ID:	<u>Q8WVM8</u>
Cytogenetics:	14q12
Domains:	Sec1

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 longest transcript and encodes the longest isoform (a).