

## Product datasheet for **RG238980**

### SCFD1 (NM\_001283032) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCFD1 (NM_001283032) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCFD1
Synonyms:	C14orf163; RA410; SLY1; SLY1P; STXBP1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238980 representing NM\_001283032.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGCCTCATATTAACACAGCACAGGAGAACCAGTATGGAAGGCTTTTACACTCTGATCGAGATCCT
ATTCCAGATGTTCTGCAGTATACTTTGTAATGCCAAGTGAAGAAAATTTGACAGAATGTCCAGGAT
CTTCGAAATCAACTATATGAATCATATTTAAATTTTATTTCTGCTATTTCAAGAAAGTAACTGGAA
GATATTGCAAATGCAGCGTTAGCAGCTAGTGACAGTAAACAAGTAGCCAAGGTTTTTACCACATATCTC
AATTTTATTACTTTGGAAGATGATATGTTTGTATTATGTAATCAAAAAGGAGCTTGTTCATATCGT
GCCATTAACAGGCCAGATATCACAGACCGGAAATGGAACTGTTATGGACACTATAGTTGACAGCCTC
TTCTGCTTTTTTGTACTCTGGGTGCTGTTCTATAATCAGATGTTCAAGAGGAACAGCAGCAGAAATG
GTAGCAGTGAACTAGACAAGAACTTCGAGAAAATCTAAGAGATGCAAGAAACAGTCTTTTTACAGGT
GATACACTGGAGCTGGCAATTCAGCTCCAGAGGCCCTTATTAGTCTTGTGACAGAAACATAGAT
TTGGCACTCCTTTACATCATACTTGGACATATCAAGCATTGGTGCACGATGACTGGATTTCCATTTA
AACAGGGTAAATTTGGAAGAATCTTCAGGAGTGGAAAACCTCCAGCTGGTGCTAGACCAAGAGAAAA
AACAGAAGTCTTATGATTTAACTCCGGTTGATAAATTTGGCAAAAACATAAAGGAAGTCCATCCCA
GAAGTTGAGAATCAGTTCAGCAAGAACTAGAATCTTACAGAGCACAGGAAGATGAGGTCAAACGACTT
AAAAGCATTATGGGACTAGAAGGGGAAGATGAAGGAGCCATAAGTATGCTTTCTGACAATACCGCTAAG
CTAACATCAGCTGTTAGTTCTTTGCCAGAACTCCTTGAGAAAAAAGACTTATTGATCTCCATACAAAT
GTTGCCACTGCTGTTTTAGAACATATAAAGGCAAGAAAATTGGATGTATATTTGAATATGAAGAAAA
ATAATGAGCAAACTACTCTGGATAAATCTCTTCTAGATATAATATCAGACCTGATGCAGGAATCCA
GAAGATAAAATGAGGTTGTTTCTTATCTATTATATAAGCACACAGCAAGCACCTTCTGAGGCTGATTTG
GAGCAATATAAAAAAGCTTTAACTGATGCAGGATGCAACCTTAATCCTTTACAATATATCAACAGTGG
AAGGCTTTTACCAAGATGGCCTCAGCTCCGGCCAGCTATGGCAGCACTACCACTAAACCAATGGGTCTT
TTATCACGAGTCATGAATACAGGATCACAGTTTGTGATGGAAGGAGTGAAGAACCTGTTTTGAAACAG
CAAAATCTACCTGTTACTCGTATTTTGGACAATCTTATGGAGATGAAGTCAAACCCCGAACTGATGAC
TATAGATATTTTATCCCAAAATGCTGCCGGGCAATGACAGCTCAGTCCAGAAATAAAATCCATTC
CAAGAGGCCATTGTTTTGTGGTGGGAGGAGGCAACTACATTGAATATCAGAATCTTGTGACTACATA
AAGGGGAAACAAGGCAACACATTTTATATGGCTGCAGTGAAGCTTTTAAATGCTACACAGTTCATAAAA
CAGTTGCACAACCTGGACAAAAG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238980  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MCLILKTAQENQYGRLLHSDRDPIDVPAVYFVMPTEENIDRMCQDLRNQLYESYLLNFISAI SRSKLE
DIANAAL AASAVTQVAKVFDQYLNFI TLEDDMFVLCNQNKELVSYRAINRPDITDTEMETVMDTI VDSL
FCFFVTLGAVPIIRCSRGTAAEMVAVKLDKCLRNLDRARNSLFTGDTL GAGQFSFQRPLLVLVDRNID
LATPLHHTWYQALVHDVLD FHLNRVNLEESSGVENSPAGARPKRKNKSYDLTPVDKFWQKHGSPFP
EVAESVQQELESYRAQEDEVKRLK SIMGLEGEDEGAISMLSDNTAKLTS AVSSLPELLEKRLIDLHTN
VATAVLEHIKARKLDVYFEYEEKIMSKTLDKSLLDIISDPDAGTPEDKMRLFLIYYISTQQAPSEADL
EQYKKALTDAGCNLPLQYIKQWKAFTKMASAPASYGSTTTKPMGLLSRVMNTGSQFVMEGVKNLVLKQ
QNLVTRILDNLMEMKSNPETDDYRYFDPKMLRGNDSSVPRNKNPFQEAIVFVGGGNYIEYQNLVDYI
KKGQKGHILYGCSELFNATQFIKQLSQLGQK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001283032

**ORF Size:** 1749 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).

**RefSeq:** [NM\\_001283032.1](#), [NP\\_001269961.1](#)

**RefSeq Size:** 2144 bp

**RefSeq ORF:** 1752 bp

**Locus ID:** 23256

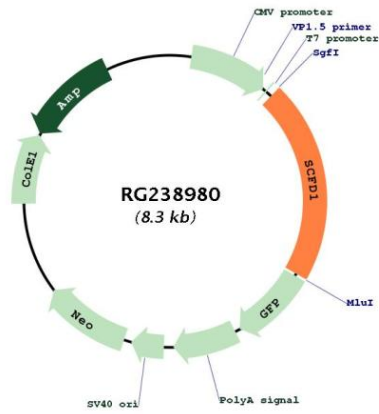
**UniProt ID:** [Q8WVM8](#)

**Cytogenetics:** 14q12

**MW:** 66.5 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 RG238980