

Product datasheet for **RC205878**

SCFD2 (NM_152540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SCFD2
Synonyms:	STXBP1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC205878 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGCGCCTCGGGCGTACTGTCCTTTACCCAGCAAGGATGGGAGCAGGTGCTGGCCAAAGTGAAACGGG
 CTGTGTTTACCTGGACGCCGCTGCGCCGAGAGCCTGCACTGGGGCTGCGGATCCACCCGTCTCTGGA
 GGCGGTGGGGGTCTGACTGTACCTGCGAGAGTTTCGAGCCGACGCAATTGGTGGTGGAGCCAAGCAG
 CCCAAGGCAGTGTGTGCTGAGCTGCCTGCTGAAAGGCCGACCGTGGAGATCTACGGGACATCATCT
 GCCGCAGTCACCTCCAGTATTGTGGTGGTCAACAACCGTGAGCCACGCTGTCCACCTCACAGCTAATCA
 TGTCCCAGCGGGCAGCGGCCGAGATGGAGGGGACGAGCCGGTGTTCGAGCAGCTGGAGGAGAAGCTG
 TGTGAATGGATGGCAACATGAACACACGGCCGAGGTGTTCCATGTCCCGTTATTGCTTGCCCTGTTG
 CTCCCCACTTTGCCTTGACTCCAGCTTTTGCATCCCTTTCCACTGCTACCCAGGATGTGCACCTCCT
 TAATAGCGCCCGACCGACAAGAGGAAGCTGGGAAGCCTGGGTGATGTGGACTCCACTACGCTAACCCCA
 GAGCTGCTGCTGCAGATCAGATGCCTAGTGTGAGCCCTCAGTTCTCTGTGTGAACATTTAGGAGTACGGG
 AGGAGTGTGTGTAGGTTCCCTAAGTCAGGTATCGCTGCGGATCTGGCCAATTATGCCCTGCAAA
 GAACAGGAAGAAGACTGCTGCAGGCAGGCATCAGTGGTTTTGTGGACAGAACCTGGATCTCACAGGA
 GCAGTTGGACATCATGGAGACAACCTAGTAGAGAAGATCATTTACGACTTCCCCAGCTCCCAGGCCACA
 CAAATGATGTGATGGTTAACATGATAGCGCTCACTGCACTCCATACTGAGGAGGAAAATTATAATGTGGT
 TGCACCAGGCTGTCTTTCACAATCCAGTGACACCACAGCCAAAGCCCTATGGGAAGCTTTACTGAACACT
 AAGCACAAGAGGCAGTGATGGAAGTTCGGAGACATCTAGTGGAAGCGCAAGCAGAGAAAACCTGCCAA
 TCAAGATGAGTATGGGGAGAGTCACACCGGACAGCTCATGTCTATATTAGCTCTTCAAGAACAACCT
 CAAAGCTCTAATGAATCATTGTGGCCTCTCCAGCTTGGACTGGCCACAGCTCAAACGTTGAAACACCCA
 CAGACTGCCAAGTGGGACAACCTTCTGGCTTTTGAAGGCTCCTTCTCAGAGCATTGGGGAGTCAGCAA
 TGTCCGTTGTGTTAAATCAGCTGCTGCCCATGATTAAGCCTGTAACCCAGAGAACCAACGAGGACTACAG
 CCCTGAGGAAGTCTGATCCTTCTCATATATTTATTCTGTCACTGGAGAGCTCACGGTAGACAAAGAC
 CTGTGTGAAGCAGAAGAAAAAGTCAAGAAAGCATTGGCTCAGGTCTTCTGTGAGGAATCTGGATTGTCAC
 CTTTGCTGCAAAAAATTACGACTGGGACTCTTCAATTAATCTGACATTTACAAATCCAAATTTGCCGT
 GGATGAACCTTTACTTCACTTCGGGATATTGCTGGAGCTCGGAGTCTCCTGAAACAGTTTAAGTCTGTA
 TATGTTCTTGAAATCATACCCACCAGGCATCTTATAAGCCATTGTTGAAGCAAGTTGTGGAGGAAATAT
 TTCATCCCGAGAGGCCAGATTCCGTTGATATTGAACACATGTCTTCAGGCCTCACTGATCTCCTTAAAC
 TGGATTTAGCATGTTTATGAAGGTGAGCCGGCCTCATCCTAGTGACTACCCCTCCTGATCCTTTGTG
 GTAGGTGGGGTCACAGTCTCTGAAGTGAAGTGGTCAAAGATCTTGTGGCATCGTTGAAGCCAGGAACCC
 AGGTAATCGTGTGTCCACAGACTCCTGAAGCCACTTAACATTCCTGAGCTGTTATTGCAACTGACCG
 ACTGCATCCAGACCTTGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205878 protein sequence
 Red=Cloning site Green=Tags(s)

MSASGVLSTQQGWEQVLAKVKRAVVYLDAAEAESLHWGCGSTRLLEAVGGPDCHLREFEPDAIGGGAKQ
 PKAVFVLSCLLKGRTEILRDIICRSHFYQCVVTTVSHAVHLTANHVPAAAAAEMEGQQPVFEQLEEK
 CEWMGMNMYTAEVFHVPLLLAPVAPHFALTPAFASLFPLLPQDVHLLNSARPDKRKLGSLGDVDSTLT
 P ELLQIRCLVSGLSSCEHLGVREECFVAVGSLSQVIAADLANYPANRKKTAAGRASVVFVDRTLDLTG
 AVGHGDNLVEKIIISALPQLPGHTNDVMVNMIALTALHTEENYNVVPAGCLSQSSDTTAKALWEALLNT
 KHKEAVMEVRRHLVEAASRENLPKMSMGRVTPGQLMSYIQLFKNLKLALMNHCGLLQLGLATAQTLKHP
 QTAKWDNLAERLLQSIGESAMSVVLNQLLPMIKPVTQRTNEDYSPEELLILLIYISVTGELTVDKD
 LCEAEKVKKALAQVCEESGLSPLLQKITDWDSSINLTFHKSIAVDELFTSLRDIAGARSLKQFKSV
 YVPGNHTHQASYKPLLQVVEEIFHPERPDSVDIEHMSSGLTDLKTFGSMFMKVSRRPHSPDYPLILFV
 VGGVTVSEVKMKDLVASLPGTQVIVLSTRLLKPLNIPPELLFATDRLHPDLGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6689_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152540

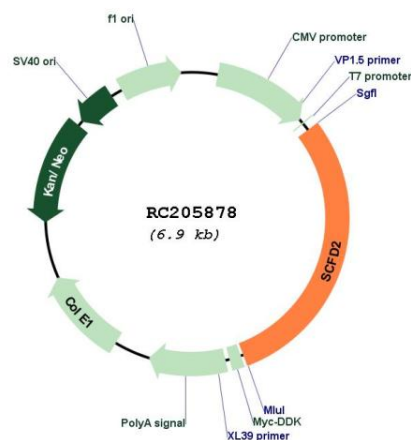
ORF Size: 2052 bp

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](#)

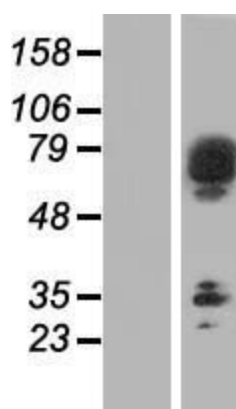
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152540.4</u>
RefSeq Size:	3204 bp
RefSeq ORF:	2055 bp
Locus ID:	152579
UniProt ID:	<u>Q8WU76</u>
Cytogenetics:	4q12
Domains:	Sec1
MW:	75.1 kDa
Gene Summary:	May be involved in protein transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205878



Western blot validation of overexpression lysate (Cat# [LY407453]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205878 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).