

Product datasheet for **MR217884**

Scfd2 (NM_178672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd2 (NM_178672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scfd2
Synonyms:	E430013M20Rik; STXBP1L1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR217884 representing NM_178672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGCCGCGGCATACTGGCCTTTGCCAGCAAGGCTGGGAGCAGGTGCTGGCCAAAGTGAAGTGGT
 CCGTGGTCTACCTGGACGCTGCCTGCGCCGAGAGCCTGCACTGGAGCTGCGGATCCAGCCGCTTCTGGA
 GGCGGTGAAGGGTCTGCGTGTACCTGCGGGAATTTGAACCCAGGCCATTGGCGGGGAGCCAAGCAG
 CCCCAGCGGCTTTTCGTTTTGAGCAGCCCGCTGAAAGGCCGATCGTAGACACTCTACAGAGTATCATT
 GCCGCAGTCACTTTCAGCACTGTGTGGTGGTCACAGCCGTGAGCCACGCAGTCCACCTCACTGCTAACCA
 CGTACCGGCCGCTGCAGCGGCCGAGCTCGAGGGGCAGCAGCCGGTGTTCGAACAGCTGGAGGAGAAGCTC
 TGTGAGTGGATGGCAACGAGAATAACGGCCGAGGTGCTCCACGTCCCGTTGTTTCTCGCCCTGTTG
 CCTCCCATCTCGTTTTACTCCAGCCTTGTACCTCTTCCACTGCTACCTCAGGATGCCACGCTCT
 TAACAGTGCCAGACCCGACAAGAGGAGGCTGAGCAGCTTGGGTGAGGTGGATGCCACTGCCCTAACCCCA
 GAGCTGCTGCTGTACATCAGATGCCTCGTGTGAGCCCTCAGTTCTCTGTGTGAACATCTAGGGGTACGAG
 AGGAGTGTTCGCCGTGGTCCCTCAGTCGGGTATCGTACAGATCTGGCAAATTATGCCCCGCCAA
 GAACAGGAAAAAGACTGCTACAGGCAGGCTTCTGTGGTCTTTGTGGATAGAACTCTGGATCTCACAGGA
 GCGGTTGGACACCACGGAGACAACCTTAGTAGAGAAGATCATGTCAGTGTCCACAGCTTCCAGGCCACA
 CCCACGACGTGATGGTCAACATGGCCGAGCTCACTGCTGTCCAGGCTGTGGAGGAAAACAGAACGTGAT
 TGCACCAGGCTGCCTTGCCTTCCAATGAGGCCCTCAGCAAGGCCCTGTGGGAAGCCTTACTGAACTCC
 AAGCACAAGAGGAGTGTGGAAGTTCGAGACATCTAGTGAAGCAGCCAGCAGAGAGAACCTGCCCA
 TCAAGATGAGTATGGGAAGAGTCACTCCAGGCCAGCTCATGTCCTATATCAACTCTTCAAGAACACT
 CAGAGCTCTTAGAAATCACTGTGGCTTCTACAGCTTGGGATGGCCACAGTTCAAACCTGGAAGCACCCA
 CAGACTGCCAAGTGGATAAATTCTGGCATTGAAAGGCTCCTTCTACAGTGTCTTTGTCTCAGAG
 CATGTGGTCACTACTACATTCTGCCATGGGACCATGCTTCCACCGGTGCCACGCCAGCCTCCGTGGT
 CCATCCTCCACATGGATGTCCTTTCATTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217884 representing NM_178672
 Red=Cloning site Green=Tags(s)

MSAAGILAFQQGWEQVLAKVKWSVVYLDAAEAESLHWSGSSRLLLEAVKGPACHLREFEPQAIIGGAKQ
 PRAVFVLSPLKGRIVDTLQSIICRSHFQHCVVVTAVSHAVHLTANHVPAAAAAELEGQQPVFEQLEEKL
 CEWMGNENYTAEVLHVPLFLAPVASHLAFTPAFATLFPLLPQDVHALNSARPKRRLSSLGEVDATALTP
 ELLLYIRCLVSLSSLCEHLGVREECFVGPLSRVIATDLANYAPAKNRKKTATGRASVVFVDRTLDLTG
 AVGHHGDNLVEKIMSVPQLPGHHDVNMMAELTAVQAVEENQNVIAPGCLAPSNEASAKALWEALLNS
 KHKEAVMEVRRHLVEAASRENLPKMSMGRVTPGQLMSYIQLFKNNLRALRNHCGLLQLGMATVQTLKHP
 QTAKWDFLAFERLLLQCSFVLRACGHLLHSCGTMLPPVPRQPPVHPPHGPCFIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

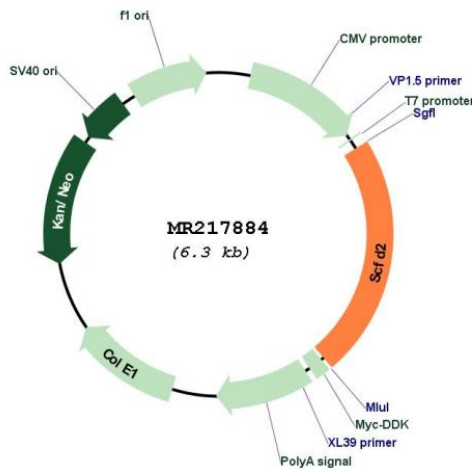
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_178672

ORF Size:

1431 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_178672.7](#), [NP_848787.2](#)

RefSeq Size: 3824 bp

RefSeq ORF: 1434 bp

Locus ID: 212986

UniProt ID: [Q8BTY8](#)

Cytogenetics: 5 C3.3

MW: 52.5 kDa

Gene Summary: May be involved in protein transport.[UniProtKB/Swiss-Prot Function]