

## Product datasheet for **MG217884**

### Scfd2 (NM\_178672) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd2 (NM_178672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scfd2
Synonyms:	E430013M20Rik; STXBP1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217884 representing NM\_178672  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCGCCGCGGCATACTGGCCTTTGCCAGCAAGGCTGGGAGCAGGTGCTGGCCAAAGTGAAGTGGT  
 CCGTGGTCTACCTGGACGCTGCCTGCGCCGAGAGCCTGCACTGGAGCTGCGGATCCAGCCGGCTTCTGGA  
 GGCGGTGAAGGGTCTGCGTGTACCTGCGGGAATTTGAACCCAGGCCATTGGCGGGGAGCCAAGCAG  
 CCCCAGCGGCTTTTCTGTTTGGCAGCCCGCTGAAAGGCCGATCGTAGACACTCTACAGAGTATCATT  
 GCCGCAGTCACTTTCAGCACTGTGTGGTGGTCACAGCCGTGAGCCACGCAGTCCACCTCACTGCTAACCA  
 CGTACCGGCCGCTGCAGCGGCCGAGCTCGAGGGGCAGCAGCCGGTGTTCGAACAGCTGGAGGAGAAGCTC  
 TGTGAGTGGATGGCAACGAGAATAACGCGCCGAGGTGCTCCACGTCCCGTTGTTTCTCGCCCCTGTTG  
 CCTCCCATCTCGTTTTACTCCAGCCTTGTACCTCTTCCACTGCTACCTCAGGATGTCACCGCTCT  
 TAACAGTCCAGACCCGACAAGAGGAGGCTGAGCAGCTTGGGTGAGGTGGATGCCACTGCCCTAACCCCA  
 GAGCTGCTGCTGTACATCAGATGCCTCGTGTGAGGCTCAGTTCTCTGTGTGAACATCTAGGGGTACGAG  
 AGGAGTGTTCGCCGTGGTCCCTCAGTCGGGTATCGTACAGATCTGGCAAATTATGCCCCGCCAA  
 GAACAGGAAAAAGACTGCTACAGGCAGGCTTCTGTGGTCTTGTGGATAGAACTCTGGATCTCACAGGA  
 GCGGTTGGACACCACGGAGACACTTAGTAGAGAAGATCATGTCAGTGTCCACAGCTTCCAGGCCACA  
 CCCACGACGTGATGGTCAACATGGCCGAGCTCACTGCTGTCCAGGCTGTGGAGGAAAACCAGAACGTGAT  
 TGCACCAGGCTGCCTTCCCCATCCAATGAGGCCCTCAGCCAAGGCCCTGTGGGAAGCCTTACTGAACTCC  
 AAGCACAAGAGGCAGTATGGAAGTTCGAGACATCTAGTGAAGCAGCCAGCAGAGAGAACCTGCCCA  
 TCAAGATGAGTATGGGAAGAGTCACTCCAGGCCAGTCTGTCCTATATTCAACTCTTCAAGAACAACCT  
 CAGAGCTCTTAGAAATCACTGTGGCTTCTACAGCTTGGGATGGCCACAGTTCAAACCTCTGAAGCACCCA  
 CAGACTGCCAAGTGGATAAATTCTGGCATTGAAAGGCTCCTTCTACAGTGTCTTTGCTCCTCAGAG  
 CATGTGGTCACTACTACATTCTGCCATGGGACCATGCTTCCACCGGTGCCACGCCAGCCTCCGTGGGT  
 CCATCCTCCACATGGATGTCCTTTCATTCCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217884 representing NM\_178672  
 Red=Cloning site Green=Tags(s)

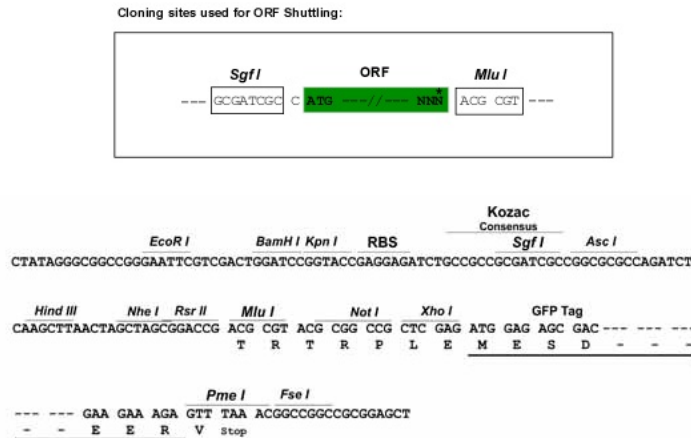
MSAAGILAFQQGWEQVLAKVKWSVVYLDAAEAESLHWSGSSRLLEAVKGPACHLREFEPQAIIGGGAKQ  
 PRAVFLSSPLKGRIVDTLQSIICRSHFQHCVVVAVSHAVHLTANHVPAAAAAELEGQQPVFEQLEEKL  
 CEWMGNENYTAEVLHVPLFLAPVASHLAFTPAFATLFPLLPQDVHALNSARPDKRRLLSSLGEVDATALTP  
 ELLL YIRCLVSGLSSLCEHLGVREECFVGPLSRVIATDLANYAPAKNRKKTATGRASVVFVDRTLDTG  
 AVGHHGDNLVEKIMSVLPQLPGHHDVMVNMALTAQAVEENQNVIIAPGCLAPSNEASAKALWEALLNS  
 KHKEAVMEVRRHLVEAASRENLPKMSMGRVTPGQLMSYIQLFKNNLRALRNHCGLLQLGMATVQTLKHP  
 QTKAWDNFLAFERLLLQCSFVLRACGHLLHSCGTMLPPVPRQPPVHPPHGPCFIP

**TRTRPLE** - GFP Tag - V

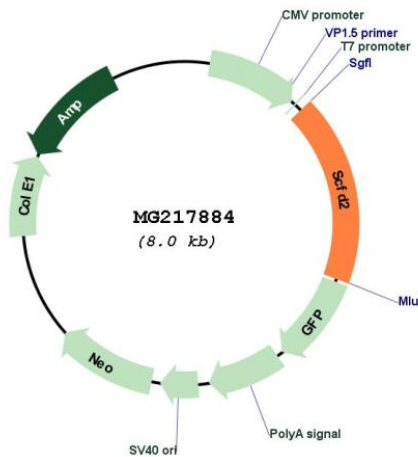
**Restriction Sites:**

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

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