

## Product datasheet for **MC220452**

### Scfd2 (NM\_001114660) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd2 (NM_001114660) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scfd2
Synonyms:	E430013M20Rik; STXBP1L1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220452 representing NM\_001114660  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCGCCGCGGCATACTGGCCTTTGCCAGCAAGGCTGGGAGCAGGTGCTGGCCAAAGTGAAGTGGT  
 CCGTGGTCTACCTGGACGCTGCCTGCGCCGAGAGCCTGCACTGGAGCTGCGGATCCAGCCGGCTTCTGGA  
 GGCGGTGAAGGGTCTGCGTGTACCTGCGGGAATTTGAACCCAGGCCATTGGCGGGGAGCCAAGCAG  
 CCCCAGCGGTTTTCTGTTTTGAGCAGCCCGCTGAAAGGCCGATCGTAGACACTCTACAGAGTATCATT  
 GCCGCAGTCACTTTCAGCACTGTGTGGTGGTGCACAGCCGTGAGCCACGCAGTCCACCTCACTGCTAACCA  
 CGTACCGGCCGCTGCAGCGGCCGAGCTCGAGGGGCAGCAGCCGGTGTTCGAACAGCTGGAGGAGAAGCTC  
 TGTGAGTGGATGGCAACGAGAATAACGCGCCGAGGTGCTCCACGTCCCCTGTTTCTCGCCCCTGTTG  
 CCTCCCATCTCGTTTTACTCCAGCCTTGTACCTCTTCCCCTGCTACCTCAGGATGCTCCACGCTCT  
 TAACAGTCCAGACCCGACAAGAGGAGGCTGAGCAGCTTGGGTGAGGTGGATGCCACTGCCCTAACCCCA  
 GAGCTGCTGCTGTACATCAGATGCCTCGTGTGAGCCTCAGTTCTCTGTGTGAACATCTAGGGGTACGAG  
 AGGAGTGTTCGCCGTGGGTCCCCTCAGTCGGGTATCGCTACAGATCTGGCAAATTATGCCCCCGCCAA  
 GAACAGGAAAAAGACTGCTACAGGCAGGGCTTCTGTGGTCTTTGTGGATAGAACTCTGGATCTCACAGGA  
 GCGGTTGGACACCACGGAGACAACCTTAGTAGAGAAGATCATGTCAGTGTCCACAGCTTCCAGGCCACA  
 CCCACGACGTGATGGTCAACATGGCCGAGCTCACTGCTGTCCAGGCTGTGGAGGAAAACAGAACGTGAT  
 TGCACCAGGCTGCCTTGCCTTCAATGAGGCCCTCAGCCAAGGCCCTGTGGGAAGCCTTACTGAACTCC  
 AAGCACAAGAGGCAGTGTGAAGTTCCGAGACATCTAGTGAAGCAGCCAGCAGAGAGAACCTGCCCA  
 TCAAGATGAGTATGGGAAGAGTCACTCCAGGCCAGCTCATGTCCATATTTCAACTTTCAAGAACAACCT  
 CAGAGCTCTTAGAAATCACTGTGGCTTCTACAGCTTGGGATGGCCACAGTTCAAACCTGGAAGCACCCA  
 CAGACTGCCAAGTGGGATAAATTCTGGCATTGAAAGGCTCCTTCTACAGGCCTTGGGATTCAACCA  
 TGGCTGTTGTGCTAAATCAGCTGCTGCCAATGATTAAGTCTCAAGCCAGAGAACCAGTGACGACCTCAA  
 CCCTGAGGAACTGCTGATCCTGCTCATATACATTTACTCTGTCCCTGGAGACGTACGCTGGACAGAGAC  
 CTGGGAGACGTGGAAGAAAAGGTGAAGAAAGCATTGGCCCATGCTCTCTGAGGAGTCTGAGCTGTCCC  
 CTTTGTGTCAGAAAATCACAGGCTGTGACTCTGCAGTTGACCTGACGTTGCCAAATCCCAAATTGCTGT  
 GAATGATGTCTTCATGGCTCTCCGGGAGATCGCTGGAGCTAGGAATCTCATGAGACAGTTTAAAGTCTGTG  
 TATGTTCTGGAATAACACCCATCAGGCATCCTATAAGCCGCTGTTGAAGCAGGTTGTGGAGGAAATAT  
 TTAATCCTGAGAAGTCAATCCTATTGACATTGAACATATGTCCTCAGGCCTCACTGATCTCCTGAAAAC  
 TGGATTACAGATGTTTATGAAGGTGAGCCGGCCCATCCAGTGACCATCCCCTCTTGATCCTCTTTGTG  
 GTGGGCGGCGTCACAGTCGCTGAAGCCAAAATGGTCAAAGACCTTGTAGCATCTCTGAAGCCAGGAACCC  
 AGGTGATGGTGTGTCCACAAGACTCCTGAAGCCGCTTAACATTTCCCGAGCTGCTCTTGAACCTGACCC  
 GCTACACCCAGACCTCGGCTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001114660  
**Insert Size:** 2055 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001114660.2</a> , <a href="#">NP_001108132.1</a>
<b>RefSeq Size:</b>	3680 bp
<b>RefSeq ORF:</b>	2055 bp
<b>Locus ID:</b>	212986
<b>UniProt ID:</b>	<a href="#">Q8BTY8</a>
<b>Cytogenetics:</b>	5 C3.3
<b>Gene Summary:</b>	<p>May be involved in protein transport.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (a) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>