

## Product datasheet for **MR220601**

### Scfd1 (NM\_029825) Mouse Tagged ORF Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                      |
| Product Name:      | Scfd1 (NM_029825) Mouse Tagged ORF Clone |
| Tag:               | Myc-DDK                                  |
| Symbol:            | Scfd1                                    |
| Synonyms:          | 3110021P21Rik; RA410; STXBP1L2           |
| Vector:            | pCMV6-Entry (PS100001)                   |
| E. coli Selection: | Kanamycin (25 ug/mL)                     |
| Cell Selection:    | Neomycin                                 |



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ORF Nucleotide  
Sequence:

>MR220601 representing NM\_029825  
Red=Cloning site Blue=ORF Green=Tags(s)

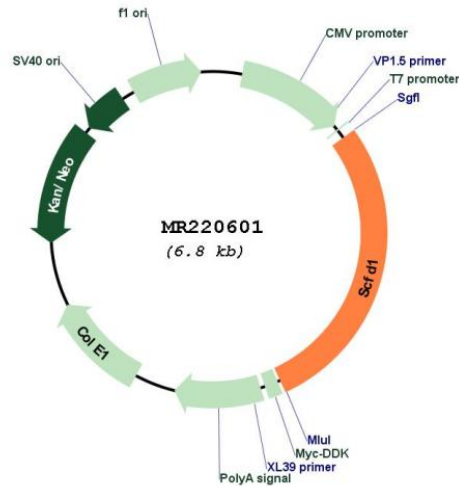
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGTGGGAAGCAAGATGGCGGCCACGGCCAGCATTTCGGGAGAGGCAAACAGTGGCTCTGAAGCGGATGT  
TGAATTTCAATGTGCCTCATGTTAAAAACAGTACTGGAGAACCAGTATGGAAGGTAATCATTATGACAG  
ATTTGGCCAAGATATCATCTCTCCTCTGCTGTCTGTGAAGGAAGTGAAGACATGGGCATCACTCTGCAT  
CTCCTTTTGCAGTACAGCCGAGATCCGATTCCAGATGTTCTGCAGTGTACTTTGTGATGCCAACCGAAG  
AAAATATTGACAGACTGTGCCAGGATCTTCGAAATCAGCTCTATGAATCCTATTATTTAAATTTTATTTT  
TGCGATTTCAAGAAGTAACTGGAAGACATTGCGAATGCAGCATTGGCCGCTAGTGCAGTACACAAAGTT  
GCCAAGGTTTTTGACCAGTATCTCAATTTTATTACTTTGGAAGATGACATGTTTGTATTATGTAATCAA  
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GTGCTGGATTTCCACTTAAACAGAGTAAATTTGGAAGAATCTACAGGAGTGGAAAATCTCCAGCTGGTG  
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TCTGCACACAAATGTTGCCACTGCTGTTTTAGAACACATAAAGGCAAGAAAATGGATGTATATTTTGAA  
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CAGGGACTCCGGAAGACAAAATGAGGCTGTTTCTTATCTATTACATAAGCGCACAGCAAGCACCGTCCGA  
GGTTGATTTGGAGCAGTATAAAAAGGCTTTAACAGATGCAGGCTGCAACCTTAGCCCTTTACAGTATATC  
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TGGGTCTCCTGTCCGAGTCATGAATACAGGATCAGATTTGTGATGGAAGGTGTGAAGAACCTGGTATT  
GAAGCAGCAGAATCTACCTGTTACTCGGATTTAGACAATCTCATGGAGATGAAGTCAAACCTGAACT  
GATGATTATAGATATTTGATCCAAAAATGCTGCGGAGTAAATGACAGCTCAGTTCTAGGAACAAAAGTC  
CATTCCAAGAGGCCATTGTCTTTGGTGGTAGGAGGAGGCAACTATATTGAATATCAGAATCTTGTGACTA  
CATAAAGGCAAAGCAAGGCAAGCATATCTTATATGGCTGCAGTGAAGTTTTAATGCTACACAGTTCATA  
AAACAGCTGTCACAGCTTGGACAAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



## Plasmid Map:



ACCN: NM\_029825

ORF Size: 1917 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\\_029825.3](#), [NP\\_084101.1](#)

RefSeq Size: 2091 bp

RefSeq ORF: 1920 bp

Locus ID: 76983

UniProt ID: [Q8BRF7](#)

Cytogenetics: 12 B3

MW: 72.8 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]