

Product datasheet for **MR230776**

Scfd2 (NM_001286437) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd2 (NM_001286437) 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



[View online »](#)

ORF Nucleotide
Sequence:

>MR230776 representing NM_001286437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGCCGCGGCATACTGGCCTTTGCCAGCAAGGCTGGGAGCAGGTGCTGGCCAAAGTGAAGTGGT
 CCGTGGTCTACCTGGACGCTGCCTGCGCCGAGAGCCTGCACTGGAGCTGCGGATCCAGCCGGCTTCTGGA
 GGCGGTGAAGGGTCTGCGTGTACCTGCGGGAATTTGAACCCAGGCCATTGGCGGGGAGCCAAGCAG
 CCCCAGGCGGTTTTCTGTTTTGAGCAGCCCGCTGAAAGGCCGGATCGTAGACACTCTACAGAGTATCATT
 GCCGCAGTCACTTTCAGCACTGTGTGGTGGTACAGCCGTGAGCCACGCAGTCCACCTCACTGCTAACCA
 CGTACCGGCCGCTGCAGCGGCCGAGCTCGAGGGGCAGCAGCCGGTGTTCGAACAGCTGGAGGAGAAGCTC
 TGTGAGTGGATGGCAACGAGAATAACGCGCCGAGGTGCTCCACGTCCCCTGTTTCTCGCCCCTGTTG
 CCTCCCATCTCGTTTTACTCCAGCCTTGTACCTCTTCCACTGCTACCTCAGGATGCTCCACGCTCT
 TAACAGTCCAGACCCGACAAGAGGAGGCTGAGCAGCTTGGGTGAGGTGGATGCCACTGCCCTAACCCCA
 GAGCTGCTGCTGTACATCAGATGCCTCGTGTGAGGCCCTCAGTTCTCTGTGTGAACATCTAGGGGTACGAG
 AGGAGTGTTCGCCGTGGGTCCCCTCAGTCGGGTATCGCTACAGATCTGGCAAATTATGCCCCCGCCAA
 GAACAGGAAAAAGACTGCTACAGGCAGGGCTTCTGTGGTCTTTGTGGATAGAACTCTGGATCTCACAGGA
 GCGGTTGGACACCACGGAGACAACCTTAGTAGAGAAGATCATGTCAGTGTCCACAGCTTCCAGGCCACA
 CCCACGACGTGATGGTCAACATGGCCGAGCTCACTGCTGTCCAGGCTGTGGAGGAAAACAGAACGTGAT
 TGCACCAGGCTGCCTTGCCTTCAATGAGGCCCTCAGCAAGGCCCTGTGGGAAGCCTTACTGAACTCC
 AAGCACAAGAGGCAGTGTGGAAGTTCGAGACATCTAGTGAAGCAGCCAGCAGAGAGAACCTGCCCA
 TCAAGATGAGTATGGGAAGAGTCACTCCAGGGCAGCTCATGTCCATATTTCAACTTTCAAGAACAACCT
 CAGAGCTCTTAGAAATCACTGTGGGCTTCTACAGCTTGGGATGGCCACAGTTCAAACCTCTGAAGCACCCA
 CAGACTGCCAAGTGGATAAATTCTGGCATTGAAAGGCTCCTTCTACAGAGCCTTGGGATTCAACCA
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 CCCTGAGGAACTGCTGATCCTGCTCATATACATTTACTCTGTCCCTGGAGACGTACGCTGGACAGAGAC
 CTGGGAGACGTGGAAGAAAAGGTGAAGAAAGCATTGGCCCATGCTCTCTGAGGAGTCTGAGCTGTCCC
 CTTTGTCTCAGAAAATCACAGGCTGTGACTCTGCAGTTGACCTGACGTTGCCAAATCCCAAATTTGCTGT
 GAATGATGTCTTCATGGCTCTCCGGGAGATCGCTGGAGCTAGGAATCTCATGAGACAGTTTAAAGTCTGTG
 TATGTTCTGGAATAACACCCATCAGGCATCCTATAAGCCGCTGTTGAAGCAGGTTGTGGAGGAAATAT
 TTAATCCTGAGAAGTCAATCCTATTGACATTGAACATATGTCCTCAGGCCTCACTGATCTCCTGAAAAC
 TGGATTACAGATGTTTATGAAGGTGATGGTGTGTCCACAAGACTCCTGAAGCCGCTTAACATTCGCGAG
 CTGCTCTTTGCAACTGACCGGCTACACCCAGACCTCGGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230776 representing NM_001286437
 Red=Cloning site Green=Tags(s)

MSAAGILAF AQQGW EQLAKVKWSVVYLDAACAESLHWSGSSRLLEAVKGPACHLREFEPQAIGGGAKQ
 PRAVFLSSPLKGRIVDTLQSIICRSHFQHCVVVTAVSHAVHLTANHVPAAAAAELEGQQPVFEQLEEKL
 CEWMGNENYTAEVLHVPLFLAPVASHLAFTPAFATLFP LLPQDVHALNSARPKRRLSSLGEVDATLTP
 ELLLYIRCLVSGLSSLCEHLGVREECFAVGPLSRVIATDLANYAPAKNRKKTATGRASVVFVDRTLDLTG
 AVGHHGDNLVEKIMSVLPQLPGHHDVMVMAELTAVQAVEENQNV IAPGCLAPSNEASAKALWEALLNS
 KHKEAVMEVRRHLVEAASRENLP IKMSMGRVTPGQLMSYIQLFKNNLRALRNHCGLLQLGMATVQTLKHP
 QTAKWDNFLAFERLLLQSLGDSTMAGVLNQLLPMIKSSSQRTSDDLNPEELLILLIYIYSVPGDVTLD RD
 LGDVEEKVKALAHVLS EESLPLQKITGCDSAVDLTLPKSQI AVNDVFMALREIAGARNLMRQFKSV
 YVPGNNT HQASYKPLLKQVVEE I FNPEKSDPIDIEHMSSGLTDLLKTGF S FMKVMVLSTRLLKPLNIPE
 LLFATDRLHPDLGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

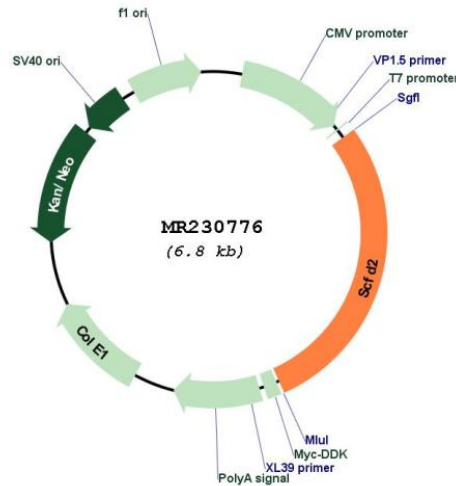
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286437

ORF Size: 1932 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_001286437.1](#), [NP_001273366.1](#)

RefSeq Size: 3560 bp
RefSeq ORF: 1935 bp
Locus ID: 212986
UniProt ID: [Q8BTY8](#)
Cytogenetics: 5 C3.3
MW: 71 kDa
Gene Summary: May be involved in protein transport.[UniProtKB/Swiss-Prot Function]