

## Product datasheet for **RR204733**

### Scfd1 (NM\_019364) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scfd1 (NM_019364) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scfd1
Synonyms:	RA410; rSly1; Sly1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR204733 representing NM\_019364  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGGAAGCAAGATGGCGGCCAGCATTGGGAAAGGCAAACAGTGGCTCTGAAGCGGATGTTGAATT  
 TCAATGTGCCTCATGTTAAAAACAGTCCTGGAGAACCCGTATGGAAGGTAATCATCTATGACAGATTTGG  
 CCAAGATATCATCTCTCCTCTGCTGTCTGTGAAGGAGCTGAGAGACATGGGCATCACCTGCATCTCCTT  
 TTGCACTCAGACCGAGATCCAATTCGAGATGTTCTGCGGTGACTTTGTGATGCCAACCGAAGAAAATA  
 TTGACAGACTGTGCCAGGATCTTCGAAATCAGCTCTATGAATCCTATTATTTAAATTTTATTCTGCGAT  
 TTCAAGAAGTAACTGGAAGACATTGCAAATGCAGCATTGGCCGTAATGCAGTCACACAGGTTGCCAAG  
 GTTTTTGACCAGTATCTCAATTTTATTACTTTGGAAGAGGACATGTTTGTATTATGTAATCAAAAATAGG  
 AACTTGTTCATATCGGGCCATTAAATAGCCAGATATCACAGACACAGAGATGGAGACTGTTATGGACAC  
 TATTGTTGACAGCCTCTCTGCTTTTTTGTACATTAGGTGCTGTCCCATCATCCGATGCTCAAGAGGA  
 ACGGCAGCAGAAATGGTGGCAGTGAAACTAGATAAAAAACTGCGGGAGAAATCTAAGAGATGCAAGAAACA  
 GCCTTTTTACTGGTGATCCACTTGGGACTGGCCAGTTCAGCTTCCAAAGGCCCTTATTAGTCCTTGTGGA  
 CAGAAACATTGACTTGGCAACGCCTCTGCACCATACGTGGACATACCAAGCGCTGGTACACGATGTCCTG  
 GATTTCCACTTAAACAGAGTAAATTTGGAAGAATCTACAGGAGTGGAAAATCTCCAAGTGGTGCTAGAC  
 CAAAGAGGAAAAACAAGAAGTCTTACGATTTAACTCCAGTTGATAAAATTTGGCAGAAACATAAAGGAAG  
 TCCATTTCCAGAAGTCGACAGATCAGTCCAACAAGAAGTAAATCTTACAGAGCACAAGAAGATGAGGTC  
 AAACGACTGAAGAGCATTATGGGCCTAGAAGGAGAGGACGAAGGAGCCATCAGCATGCTTTCTGATAACA  
 CTGCTAAGCTCACATCAGCTGTCAGTTCTTTGCCAGAACTCCTTGAAAAAAAAGACTTATCGATCTCCA  
 TACAAATGTCGCCACTGCTGTTTTAGAACACATAAAGGCAAGAAAACTGGATGTATATTTGAATATGAA  
 GAAAAAATAATGAGCAAGACTACTCTGGATAAGTCCCTTCTCGACGTCATATCTGACCCTGACGCAGGGA  
 CTCCGGAAGACAAAATGAGGCTGTTTCTTACTACTACATAAGCGCTCAGCAGGCACCATCTGAGGTTGA  
 TTTGGAGCAGTATAAAAAGGCTTTAACAGATGCAGGATGCAACCTTAGCCCTTTACAGTATATCAAAACAG  
 TGGAAGGCTTTTGCCAAGATGGCCTCAACTCCTGCCAGCTACGGAAACACTACCACTAAACCAATGGGTC  
 TCTTGCCCGAGTCATGAATACAGGATCCAGTTTGTGATGGAAGGCGTCAAGAACCTGGTATTGAAGCA  
 GCAGAATCTACCTGTTACTCGGATTTAGACAATCTCATGGAGATGAAGTCAAACCCCGAGACTGATGAT  
 TACAGATATTTTATCCAAAATGCTGCGGAGCAATGACAGCTCAGTTCCCTAGGAACAAAAGTCCATTCC  
 AAGAGGCCATTGTCTTTGTGGTAGGAGGAGGCAACTATATTGAGTATCAGAATCTTGTGACTACATAAA  
 GGGAAAGCAAGGCAAGCATATTTGTATGGCTGCAGTGAGATTTTAAATGCTACACAGTTCATAAAACAG  
 CTGTCACAGCTTGGACAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204733 representing NM\_019364  
Red=Cloning site Green=Tags(s)

MVGSKMAASIRERQTVALKRMLNFNVPHVKNSPGEPVWKVLIYDRFGQDIISPLLSVKELRDMGITLHLL  
 LHSDRDPIRDVPAVYFVMPTEENIDRLCQDLRNQLYESYLNFI SAISRKLEDIANAALANAVTQVAK  
 VFDQYLNFITLEEDMFVLCNQNKELVSYRAINRPDITDTEMETVMDTIVDSLFCFFVTLGAVPIIRCSR  
 TAAEMVAVKLDKCLRNLRDARNSLFTGDPLGTGQFSFQRPLLVLVDRNIDLATPLHHTWTYQALVHDVL  
 DFHLNRVNL EESTGVENSPTGARPKRKNKSYDLTPVDKFWQKHGSPFPEVAESVQQELESYRAQEDEV  
 KRLKSIMGLEGEDEGAISMLSDNTAKLTSVSSLP ELLKRLIDLHTNVATAVLEHIKARKLDVYFEYE  
 EKIMSKTTLDKSLLDVISDPDAGTPEDKMRLFLIYYISAQQAPSEVDLEQYKKALTDAGCNLSPLQYIKQ  
 WKAFAKMASTPASYGNTTTPMGLLSRVMTGSQFVMEGVKNLVKQQNLPVTRILDNLMEMKSNPETDD  
 YRYFDPKMLRSNDSSVPRNKSPFQEAIVFVGGGNYIEYQNLVDYIKGKQGHILYGCSEIFNATQFIKQ  
 LSQLGQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019364

**ORF Size:** 1911 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\\_019364.1](#), [NP\\_062237.1](#)

**RefSeq Size:** 2095 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 54350

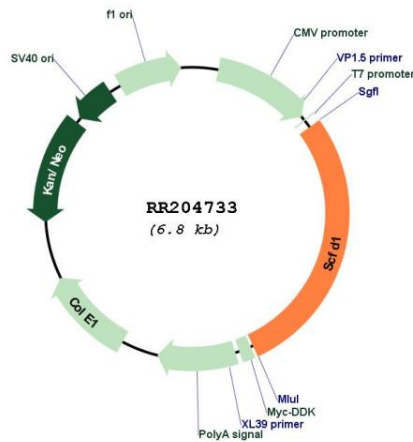
**UniProt ID:** [Q62991](#)

**Cytogenetics:** 6q22

**MW:** 72.3 kDa

**Gene Summary:** putative syntaxin-binding protein that regulates ER to Golgi transport [RGD, Feb 2006]

**Product images:**



Circular map for RR204733