

Product datasheet for **RC239417**

SUSD1 (NM_001282643) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUSD1 (NM_001282643) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SUSD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239417 representing NM_001282643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCCGGGGCCCTGGGATGCGGGCCCGTCTCGCCGCTGCTGCCGCTGTTGCTGCTGCTCGGCCTGG
 CCCGCGCGCGCGGGAGCGCCGGGCCCGACGGTTTAGACGTCTGTGCCACTTGCCATGAACATGCCAC
 ATGCCAGCAAAGAGAAGGAAGAAGATCTGTATTTGCAACTATGGATTTGTAGGGAACGGGAGGACTCAG
 TGTGTTGATAAAAATGAGTGCCAGTTTGGAGCCACTCTTGTCTGTGGAAACCACACATCTTGCCACAACA
 CCCCCGGGGGCTTCTATTGCATTTGCCTGGAAGGATATCGAGCCACAAACAACAAGACATTCATTCC
 CAACGATGGCACCTTTTGTACAGACATAGATGAGTGTGAAGTTTCTGGCCTGTGCAGGCATGGAGGGCGA
 TGGCTGAACACTCATGGGAGCTTTGAATGCTACTGTATGGATGGATACTTGCCAAGGAATGGACCTGAAC
 CTTTCCACCCGACCACCGATGCCACATCATGCACAGAAATAGACTGTGGTACCCCTCTGAGGTTCCAGA
 TGGCTATATCATAGGAAATTATACGTCTAGTCTGGGCAGCCAGGTTTCGTTATGCTTGAGAGAAGGATTC
 TTCAGTGTTCAGAAAGATACAGTTTCAAGCTGCACAGGCCTGGGCACATGGGAGTCCCCAAAATTACATT
 GCCAAGAGATCAACTGTGGCAACCCTCCAGAAATGCGGCACGCCATCTTGGTAGGAAATCACAGCTCCAG
 GCTGGGCGGTGTGGCTCGCTATGTCTGTCAAGAGGGCTTTGAGAGCCCTGGAGGAAAGATCACTTCTGTT
 TGCACAGAGAAAGGCACCTGGAGAGAAAGTACTTTAACATGCACAGAAATTCTGACAAAGATTAATGATG
 TATCACTGTTTAAATGATACCTGTGTGAGATGGCAAATAAACTCAAGAAGAATAAACCCCAAGATCTCATA
 TGTGATATCCATAAAAGGACAACGGTTGGACCCATGGAATCAGTTCGTGAGGAGACAGTCAACTTGACC
 ACAGACAGCAGGACCCAGAAAGTGTGCCTAGCCCTGTACCCAGGCACCAACTACACCGTGAACATCTCCA
 CAGCACCTCCAGGCGCTCGATGCCAGCCGTATCGGTTTCCAGACAGCTGAAGTTGATCTCTTAGAAGA
 TGATGGAAGTTTCAATATTTCAATATTTAATGAAACTTGTGTTGAAATTGAACAGGCGTTCTAGGAAAGTT
 GGATCAGAACACATGTACCAATTTACCGTTCTGGGTGAGAGGTGGTATCTGGCTAACTTTTCTCATGCAA
 CATCGTTTAACTTCACAACGAGGGAACAAGTGCCTGTAGTGTGTTTGGATCTGTACCCTACGACTGATTA
 TACGGTGAATGTGACCCTGCTGAGATCTCCTAAGCGGCACTCAGTGCAAATAACAATAGCAACTCCCCCA
 GCAGTAAACAGACCATCAGTAACATTTAGGATTTAATGAAACCTGCTTGAGATGGAGAAGCATCAAGA
 CAGCTGATATGGAGGAGATGTATTTATCCACATTTGGGGCCAGAGATGGTATCAGAAGGAATTTGCCCA
 GGAATGACCTTTAATATCAGTAGCAGCAGCCGAGATCCCGAGGTGTGCTTGGACCTACGTCCGGGTACC
 AACTACAATGTCAGTCTCCGGGCTCTGTCTTCGGAACCTCCTGTGGTCATCTCCCTGACAACCCAGATAA
 CAGAGCCTCCCTCCCGGAAGTAGAATTTTTACGGTGCACAGAGGACCTCTACCACGCCTCAGACTGAG
 GAAAGCCAAGGAGAAAAATGGACCAATCAGTTCATATCAGGTGTTAGTGTTCCCTGGCCCTCCAAAGC
 ACATTTTCTTGTGATTCTGAAGGCGCTTCTCCTTCTTTAGCAACGCCTCTGATGCTGATGGATACGTGG
 CTGCAGAACTACTGGCCAAAGATGTTCCAGATGATGCCATGGAGATACCTATAGGAGACAGGCTGTACTA
 TGGGGAATATTATAATGCACCCTTGAAAAGAGGGAGTGATTACTGCATTATATTACGAATCACAAGTGAA
 TGAATAAGATTTCGTCACTCATGCTGCTGCAGATGGCGGGTGTGGACTGGGTTCCCTGGCTGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239417 representing NM_001282643
 Red=Cloning site Green=Tags(s)

MGRGPWDAGPSRRLLPLLLLLGLARGAAGAPGPDGLDVCATCHEHATCQQREGKKICICNYGFVGNRTQ
 CVDKNECQFGATLVCGNHTSCHNTPGGFYCICLEGYRATNNKTFIPNDGTFCTDIDECEVSGLCRHGGR
 CVNTHGSFECYCMDGYLPRNGPEPFHPTTDATEIDCGTPPEVPDGYIIGNYTSSLGSQVRYACREGF
 FSVPEDTVSSCTGLGTWESPKLHCQEINCNPPEMRHAILVGNHSSRLGGVARYVCQEGFESPGGKITSV
 CTEKGTWRETLTCTEILTKINDVSLFNDTCVRWQINSRRINPKISYVISIKGQRLDPMESVREETVNL
 TDSRTPEVCLALYPGTNYTVNISTAPPRRSMPIVGFQTAEDVLEDDGSFNISIFNETCLKLNRRSRKV
 GSEHMYQFTVLGQRWYLANFSHATSFNFTTREQVPVCLDLYPTTDYTVNVTLLRSPKRHSVQITATPP
 AVKQTISNISGFNETCLRWRSIKTADMEEMYLFIHWQRWYQKEFAQEMTFNISSSSRDPEVCLDLRPGT
 NYNVSLRALSSELVVISLTQTITEPLPEVEFTVHRGPLPRLRLKAKEKNGPISSYQVLVLPLALQS
 TFSCDSEGASSFFSNASDADGYVAAELLAKDVPDDAMEIPIGDRLYYGEYNAPLKRGSDYCIILRTSE
 WNKIRHSCCRWRVLDWVPWLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001282643

ORF Size: 2166 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282643.1](#), [NP_001269572.1](#)

RefSeq Size: 2991 bp

RefSeq ORF: 2169 bp

Locus ID: 64420

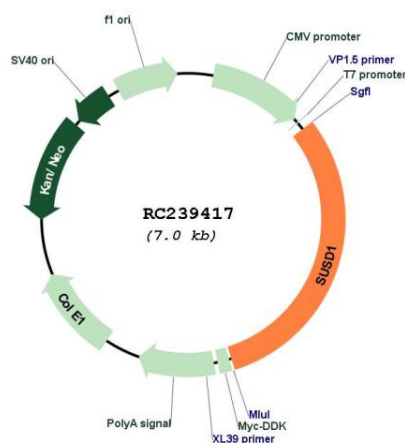
UniProt ID: [Q6UWL2](#)

Cytogenetics: 9q31.3-q32

Protein Families: Transmembrane

MW: 80.9 kDa

Product images:



Circular map for RC239417