

Product datasheet for **RR201552**

Susd4 (NM_001105982) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Susd4 (NM_001105982) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Susd4
Synonyms:	RGD1564043
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201552 representing NM_001105982
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATCATGGAATGAACCCGAGCAATGGAGATGGATTTCTAGAGCAGCAGCTGCAGCAACAGCAGCCTC
 AGTCCCCCAGAGACTCTTGGCCGTGATCCTGTGGTTTCAACTGGCGCTGTGCTTTGGCCCTGCGCAGCT
 CACCGGTGGGTTTCGATGACCTCAACGTGTGTGCTGACCCAGGCGTCCCAGAGAATGGCTTCAGGACCCCC
 AGCGGAGGTGTCTTTTAAAGCTCAGTAGCCCGATTTCACTGCCAAGACGTTTCAAGCTGAAGGGCT
 CCTCAAAGAGACTGTGTGTGAAACGCCTCAATGGGACCTAGGCTGGATCCCAAGTGACAAACCTCTCTG
 CATACAAGAAGACTGCCGGATCCCCGAATTGAAGATGCTGAGATTCATAACAAGACATATAGACACGGG
 GATAAGTTGATCATCACTGTGATGAGGGATTCAAGATCCGGTACCCCGACCTGTACAACATGGTTTCGT
 TATGTCGTGATGATGGGACGTGGGATAACCTGCCCATCTGTCAAGGCTGCCTGAGACCTCTAGCCTCTTC
 CAATGGCTACGTGAACATCTCCGAGTTCAGACCTCCTCCCTGTGGAACTGTGATCGCTTATCGCTGC
 TTCCCTGGATTTAAACTCGAGGGTCTGAGTACCTTGAGTGCTTACACAACCTTATCTGGTCTGCCAGCC
 CACCCCGTGCCTTGCTCTGGAAGTTTGTCCACTACCTCCTATGGTGAGTACGGGAGATTCATCTGCCA
 CCCGAGGCCTTGTGAGCGCTACAACCATGGGACTGTGGTGGAAATTCTACTGTGATCCCGCTACAGCCTC
 ACCAGTGACTACAAGTACATCACCTGCCAGTATGGAGAGTGGTTTCTTCTACCAAGTCTACTGCATCA
 AATCAGAACAAACGTGGCCAGTACCCACGAGACCCTCCTGACCACATGGAAGATCGTGGCATTACAGC
 CACCAGTGTGCTGCTGGTGTACTGCTCGTCATCCTGGCCAGGATGTTCCAGACCAAGTTCAAGGCCAC
 TTCCCCCAGGGTCTCCAGGAGTTCAGCAGTACCCTGACTTCGTGGTAGTGACGGAGTGCCTG
 TCATGCTCCCACCTACGATGAGGCTGGAATGGCAGCTCGAGTGCCTTAGGCCCGGGTACCTGGCCTC
 CGTGGGCCAGGGCTGCTCTTACCTGTGGATGACCAGAGCCCTCCAGCCTACCCCGCTCCGGGGACAG
 GACACAGGCCCTGGGAGTCAGAAACCTGTGACAGTACCTCGGGCTCCTCCGAGATGCTCCAGAGTCTAT
 ATTCACCCCGATGTGCCAAGGGGGCAGCCGCCCTGCCCCAGACACCCTGACACGATTTCAAGCACAGC
 AGGGGAGGTAGCATCCACAAGCCAGGCATCGACATTGCAGATGAGATCCCACTCATGGAAGAGGATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201552 representing NM_001105982
 Red=Cloning site Green=Tags(s)

MYHGMNPSNGDGFLEQQLQQQPQSPQRLLAVILWFQLALCFGPAQLTGGFDDLNVCADPGVPENGFRT
 SGGVFFESSVARFHCQDGFKLKSSKRLCVKRLNGTLGWIPSDKPLCIQEDCRIPRIEDAEIHNKTYRHG
 DKLIINCHHEGFKIRYPDLNMMVSLCRDDGTWDLNLPICQGCLRPLASSNGYVNISEFQTSFPVGTVIAYRC
 FPGFKLEGSEYLECLHNLIWSSPPRCLALEVCPLPPMVSHGDFICHPRPCERYNHGTVVEFYCDPGYSL
 TSDYKYITCQYGEWFPSYQVYCIKSEQTWPSTHETLLTTWKIVAFTATSVLLVLLLVILARMFQTKFKAH
 FPPRGPPRRSSSDPDFVVVDGVPVMLPTYDEAVNGSSSALGPGYLASVGQGCPLPVDDQSPPAYPGSGDT
 DTGPGESETCDSTSGSSEMLQSLYSPPMQGGSRPAPDTPDTISSTAGEVASTSPGIDIIDEIPLMEEDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

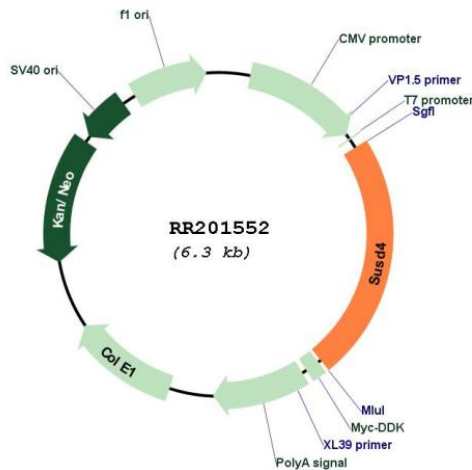
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105982

ORF Size: 1470 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_001105982.1](#), [NP_001099452.1](#)

RefSeq Size: 2121 bp

RefSeq ORF: 1473 bp

Locus ID: 289335

Cytogenetics: 13q26

MW: 53.8 kDa