

Product datasheet for **RG222946**

SUSD4 (NM_017982) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUSD4 (NM_017982) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SUSD4
Synonyms:	PRO222
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222946 representing NM_017982
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATCATGGAATGAACCCGAGCAATGGAGATGGATTTCTAGAGCAGCAGCAGCAGCAGCAACCTC
 AGTCCCCCAGAGACTCTTGCCGTGATCCTGTGGTTTCAGCTGGCGCTGTGCTTCGGCCCTGCACAGCT
 CACGGGCGGGTTCGATGACCTTCAAGTGTGTGCTGACCCCGCATTCCCGAGAATGGCTTCAGGACCC
 AGCGGAGGGGTTTTCTTTGAAGGCTCTGTAGCCGATTTCACTGCCAAGACGGATTCAAGCTGAAGGGCG
 CTACAAAGAGACTGTGTTGAAGCATTTAATGGAACCCTAGGCTGGATCCCAAGTGATAATTCATCTG
 TGTGCAAGAAGATTGCCGTATCCCTCAAATCGAAGATGCTGAGATTCATAACAAGACATATAGACATGGA
 GAGAAGCTAATCATCACTTGTATGAAGGATTCAAGATCCGGTACCCGACCTACACAATATGGTTTCAT
 TATGTCGCGATGATGGAACGTGGAATAATCTGCCCATCTGTCAAGGCTGCCTGAGACCTTAGCCTCTTC
 TAATGGCTATGTAACATCTCTGAGCTCCAGACCTCCTCCCGTGGGGACTGTGATCTCCTATCGCTGC
 TTTCCCGATTTAAACTTGATGGGTCTGCGTATCTTGAGTGCTTACAAAACCTTATCTGGTCGTCACGCC
 CACCCCGTGCCTTGCTCTGGAAGTCTGTCCACTACCTCCAATGGTGAGTACGGGAGATTTCTGCTGCCA
 CCCGCGCCTTGTGAGCGCTACAACCACGGAAGTGTGGTGGAGTTTTACTGCGATCCTGGCTACAGCCTC
 ACCAGCGACTACAAGTACATCACCTGCCAGTATGGAGAGTGGTTTCTTCTTATCAAGTCTACTGCATCA
 AATCAGAGCAAACGTGGCCAGCACCCATGAGACCCTCCTGACCAGTGGGAAGATTGTGGCGTTCACGGC
 AACCAAGTGTGCTGCTGGTGTCTGCTGCTCATCTGGCCAGGATGTTCCAGACCAAGTTCAAGGCCAC
 TTTCCCCCAGGGGCTCCCGGAGTTCCAGCAGTACCCTGACTTTGTGGTGGTAGACGGCGTGCCCG
 TCATGCTCCCGTCTATGACGAAGCTGTGAGTGGCGGCTTGAGTGCTTAGGCCCGGCTACATGGCCTC
 TGTGGCCAGGGCTGCCCTTACCGTGGACGACCAGAGCCCCCAGCATACCCCGGCTCAGGGGACAG
 GACACAGGCCAGGGGAGTCAGAACTGTGACAGCGTCTCAGGCTCTTCTGAGCTGCTCAAAGTCTGT
 ATTCACCTCCAGGTGCCAAGAGAGCACCCACCCTGCTTCGGACAACCCTGACATAATTGCCAGCACGGC
 AGAGGAGTGGCATCCACCAGCCAGGCATCGACATTGCAGATGAGATTCCTCTAATGGAAGAAGATCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222946 representing NM_017982
 Red=Cloning site Green=Tags(s)

MYHGMNPSNGDGFLEQQQQQQPQSPQRLLAVILWFQLALCFGPAQLTGGFDDLQVCADPGIPENGFRT
 SGGVFFEGSVARFHCQDGFKLKGA TKRLCLKHFNGTLGWIPSDNSICVQEDCRIPQIEDAEIHNKTYRHG
 EKLIIITCHEGFKIRYPDLHNMVSLCRDDGTWNNLPICQGLRPLASSNGYVNISELQTSFVPVGTVISYRC
 FPGFKLDGSAYLECLQNLIWSSPPRCLALEVCPLPPMVSHGDFVCHPRPCERYNHGTVVEFYCDPGYSL
 TSDYKYITCQYGEWFPSYQVYCIKSEQTWPSTHETLLTTWKIVAFATATSVLLVLLLVILARMFQTKFAH
 FPPRPPRSSSDPDFVVVDGVPVMLPSYDEAVSGLSALGPGYMASVGGCPLPVDDQSPPAYPGSGDT
 DTGPGESETCDSVSGSELLQSLYSPPRCQESTHPASDNPDIIASTAEVASTSPGIDIADIEIPLMEEDP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_017982

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_017982.4](#)

RefSeq Size: 3030 bp

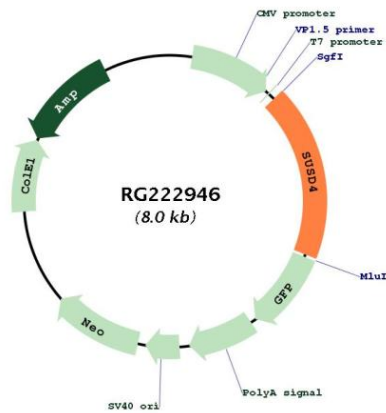
RefSeq ORF: 1473 bp

Locus ID: 55061

UniProt ID: [Q5VX71](#)

Cytogenetics: 1q41
Domains: CCP
Protein Families: Transmembrane
Gene Summary: Acts as complement inhibitor by disrupting the formation of the classical C3 convertase. Isoform 3 inhibits the classical complement pathway, while membrane-bound isoform 1 inhibits deposition of C3b via both the classical and alternative complement pathways. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222946