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Product datasheet for SC113830

SUSD4 (NM_017982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUSD4 (NM_017982) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUSD4
Synonyms:	PRO222
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC113830 sequence for NM_017982 edited (data generated by NextGen Sequencing)

ATGTATCATGGAATGAACCCGAGCAATGGAGATGGATTTCTAGAGCAGCAGCAGCAGCAG
CAGCAACCTCAGTCCCCCCAGAGACTCTTGGCCGTGATCCTGTGGTTTCAGCTGGCGCTG
TGCTTCGGCCCTGCACAGCTCACGGGCGGGTTCGATGACCTTCAAGTGTGTGCTGACCCC
GGCATTCCCGAGAATGGCTTCAGGACCCCCAGCGGAGGGGTTTTCTTTGAAGGCTCTGTA
GCCCGATTTCACTGCCAAGACGGATTCAAGCTGAAGGGCGCTACAAAGAGACTGTGTTTG
AAGCATTTTAATGGAACCCTAGGCTGGATCCCAAGTGATAATTCCATCTGTGTGCAAGAA
GATTGCCGTATCCCTCAAATCGAAGATGCTGAGATTCATAACAAGACATATAGACATGGA
GAGAAGCTAATCATCACTTGTCATGAAGGATTCAAGATCCGGTACCCCGACCTACACAAT
ATGGTTTCATTATGTCGCGATGATGGAACGTGGAATAATCTGCCCATCTGTCAAGGCTGC
CTGAGACCTCTAGCCTCTTCTAATGGCTATGTAAACATCTCTGAGCTCCAGACCTCCTTC
CCGGTGGGGACTGTGATCTCCTATCGCTGCTTTCCCGGATTTAAACTTGATGGGTCTGCG
TATCTTGAGTGCTTACAAAACCTTATCTGGTCGTCCAGCCCACCCCGGTGCCTTGCTCTG
GAAGTCTGTCCACTACCTCCAATGGTGAGTCACGGAGATTTCGTCTGCCACCCGCGGCCT
TGTGAGCGCTACAACCACGGAACTGTGGTGGAGTTTTACTGCGATCCTGGCTACAGCCTC
ACCAGCGACTACAAGTACATCACCTGCCAGTATGGAGAGTGGTTTCCTTCTTATCAAGTC
TACTGCATCAAATCAGAGCAAACGTGGCCCAGCACCCATGAGACCCTCCTGACCACGTGG
AAGATTGTGGCGTTCACGGCAACCAGTGTGCTGCTGGTGCTGCTGCTCGTCATCCTGGCC
AGGATGTTCCAGACCAAGTTCAAGGCCCACTTTCCCCCCAGGGGGCCTCCCCGGAGTTCC
AGCAGTGACCCTGACTTTGTGGTGGTAGACGGCGTGCCCGTCATGCTCCCGTCCTATGAC
GAAGCTGTGAGTGGCGGCTTGAGTGCCTTAGGCCCCGGGTACATGGCCTCTGTGGGCCAG
GGCTGCCCCTTACCCGTGGACGACCAGAGCCCCCCAGCATACCCCGGCTCAGGGGACACG
GACACAGGCCCAGGGGAGTCAGAAACCTGTGACAGCGTCTCAGGCTCTTCTGAGCTGCTC
CAAAGTCTGTATTCACCTCCCAGGTGCCAAGAGAGCACCCACCCTGCTTCGGACAACCCT
GACATAATTGCCAGCACGGCAGAGGAGGTGGCATCCACCAGCCCAGGCATCGACATTGCA
GATGAGATTCCTCTAATGGAAGAAGATCCCTAA

Clone variation with respect to NM_017982.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017982 unedited

TTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCCACAGACTCTTGC
AAGCTGGATGCCCTCTGTGGATGAAAGATGTATCATGGAATGAACCCGAGCAATGGAGAT
GGATTTCTAGAGCAGCAGCAGCAGCAGCAGCAACCTCAGTCCCCCCAGAGACTCTTGGCC
GTGATCCTGTGGTTTCAGCTGGCGCTGTGCTTCGGCCCTGCACAGCTCACGGGCGGGTTC
GATGACCTTCAAGTGTGTGCTGACCCCGGCATTCCCGAGAATGGCTTCAGGACCCCCAGC
GGAGGGGTTTTCTTTGAAGGCTCTGTAGCCCGATTTCACTGCCAAGACGGATTCAAGCTG
AAGGGCGCTACAAAGAGACTGTGTTTGAAGCATTTTAATGGAACCCTAGGCTGGATCCCA
AGTGATAATTCCATCTGTGTGCAAGAAGATTGCCGTATCCCTCAAATCGAAGATGCTGAG
ATTCATAACAAGACATATAGACATGGAGAGAAGCTAATCATCACTTGTCATGAAGGATTC
AAGATCCGGTACCCCGACCTACACAATATGGTTTCATTATGTCGCGATGATGGAACGTGG
AATAATCTGCCCATCTGTCAAGGCTGCCTGAGACCTCTAGCCTCTTCTAATGGCTATGTT
AACATCTCTGAGCTCCAGACCTCCTTTCCGGTGGGGACTGTGATCTCCTATCGCTGCTTT
CCCGGATTAAACTTGAGGGTCTGCGTATCTTGAGTGCTTACCAACCCTATCTGGTCGTCC
AGCCACACCGTGCCCTGCTCTGAAGTCTGTCCACTACTCCATGGTGAGTACGGAGATTCG
TCTGCCACCCGCGCCTTGTGACCCTCCACCCCGGACTGTGTGGAATTACTGCGATC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_017982 unedited
TGTACCGCGGCACGCAATCTAGTGTCGAGTTTTTTTTTTTTTTTTTCTTTTAATTTTTA
ATCAGTCTGTGTCAAGAATAACAGGACTTGATCAAGCTTCCAGCCCTCACCACTCTATCA
GCATAGCAATTTTAAGGATCAGAGCTTTGTTTACATTTGTCTAAAACCAAGAGAAGGAAA
GGAATCAACTCCACAGATCAACATGTATTTGAAGAGACACTTCAGGACACTTTGGGAAAT
TTTTTAATCAATCAGTTTCTTAGGAACAACACCCAGTGGGCATGATGAGACCCTCAAAGT
AGGAATGCAGGAATGATAGGCAGGTGAGGTGGCTGAGCTATCTGGGCTGGGAGGCCAGCC
TCCTGGAATCTTATGACAAATAAAAGGGGGAAAAATCCAACCTCACACTTCTTTTGAAGG
TCGGATATGTTTACAGAAACAATTTCTGTTTTGGAAAATAAATGTATGGTTCAATTTGGG
GCTGGGGGAACAATGACAATTGTCAACTAGAGAGAGGCTCATGATTCTGAGATAAATGTT
AAGTGGAGTCTTTTTAAAATGCTGAAACAAAACATTACCTTGGTTACTGTCTCCATCATG
AGATGTATTTGAACACATTCTGACCATGTGTAAAAACCACCAGATTTACCCAATGCCATG
GATCCATGTGCCACACCATGAATACAAACACTGATGATATGTTACCAGAAGACAGCACAG
AGTTCATGAGCTCTACTTTGTGAAGAAATTCCAGATAGCAGAGTCTGCCCATCTTTCCTT
TCCTTTCTACTAGCACTGCCACATCCTGCTTTCGTCTTGCTTCGAGTAAAGTTGTCTGGA
TGATGGATGATCTNCAATGTACACAAGGACCTTTTCTAGGGAGCTAGTCCTTGCTGAGGT
GCAGAAGCTCTGCTGNTCTTCACATTCACACAACTTCTGANAGCTGACCATCATTTGAGT
CANAACAGTGAGCAATGTNAACATTNATGTGGACTGCTTCAAGCCGGGAGTC
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Restriction Sites: NotI-NotI

ACCN: NM_017982

Insert Size: 3160 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017982.1, NP_060452.1

RefSeq Size: 2035 bp

RefSeq ORF: 711 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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).