

## Product datasheet for **MC204294**

### Susd4 (NM\_144796) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Susd4 (NM_144796) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Susd4
Synonyms:	A1848994; E430021N18Rik; N28096
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021842  
 GATGGAGCCCGCAAAGCCAGGCACCGGGCCCCAGGGTGGAGGAGGAGAGCTTGGCCCCAGAGCCCGG  
 GCAACCCCGGGGTATTGTTCGTGTTCCGCTCCTGGTTGCAGACTCTCGCAAGCTGGATGCCCTCTGTGGAT  
 GAAAGATGTATCATGGAATGAACCCGAGCAATGGAGATGGATTTCTAGAGCAGCAGCTGCAGCAACAGCA  
 GCCTCAGTCCCCCAGAGACTCTTGGCCGTGATCCTGTGGTTTCAACTGGCGCTGTGCTTTGGCCCTGCA  
 CAGCTCACGGGTGGGTTTCGATGACCTCAACGTGTGTGCTGACCCAGGCGTCCCAGAGAATGGCTTCAGGA  
 CCCCCAGCGGAGGAGTTTTCTTCGAAAGCTCAGTAACCCGATTTCACTGCCAAGACGGATTCCAGGCTGAA  
 GGGCTCTACAAAGAGGCTGTGTATGAAACATTTTAAATGGGACCCTAGGCTGGGTCCCAAGTGACAAACCT  
 GTCTGCATACAAGAAGACTGCCGCATCCCCAAATTGAAGATGCTGAGATTGAAACAAGACGTACAGAC  
 ACGGAGAGAAGTTAGTCATTGACTGTACAGAGGGGTTCAAGATCCGCTACCCTGACTGTACAACCTGGT  
 TTCGTTATGCCGTGACGATGGGACATGGGATAACCTGCCATCTGTCAAGGCTGCCTGAGACCTCTAGCC  
 TCTTCCAATGGCTACGTGAACATCTCCGAGTTCAGACCTCCTTCCCTGTGGAACTGTGATCGCCTATC  
 GCTGCTTCCCTGGATTTAAACTCGAGGGTTCGAGAACCTCGAGTGTACACAACCTTATCTGGTCGTC  
 CAGCCCACCCCGGTGCCTTGTCTGGAAGCCCAAGTTTGTCCACTACCTCCTATGGTAAGTACGGAGAT  
 TTCATCTGCCACCCGAGGCTTGTGAGCGCTACAACCATGGAACGTGGTGGAGTTCTACTGTGATCCTG  
 GCTACAGCCTCACCAGTGACTACAAGTACATCACCTGCCAGTATGGAGAGTGGTTTCCCTTCTACCAAGT  
 CTAAGTGCATCAAATCAGAACAAACGTGGCCACGACCCACGAGACCCCTCCTGACCACGTGGAAGATCGTG  
 GCGTTCACAGCCACCAGCGTGTGCTGGTGTACTGCTCGTCATCCTGGCCAGAATGTTCCAGACCAAGT  
 TCAAGGCCCACTTCCCCCGAGGGGTCCTCCAGGAGTCCAGCAGTGACCCCGACTTTGTGGTCTGGGA  
 TGGAGTGGCCGTCATGCTCCCGACCTATGATGAGGCTGTGAACGGTAGCTCGAGTGCCTTAGGCCCGGGG  
 TACCCGGCCTCCGTGGCCAGGGCTGTCTTTACCTGTGGATGACCAGAGCCCTCCAGCATAACCCGGCT  
 CCGGGGACACGGACACAGGCCCTGGGGAGTCAGAAACCTGTGACAGTACTTCGGGTTCTCCGGAGATGCT  
 CCAGAGCTATATTCACCCCATGTGCAAGGGGGCAGCCCGCTGCCCGGACACCCCTGACACGATT  
 TCAAGCACAGCAGGGGAGGTGGCATCCACAAGCCCGGCATCGACATTGCAGATGAGATCCCGCTCATGG  
 AAGAGGACCCATAGCCTGGTGACATCCTGCTAGTCCCCTGTCCCTTTGGGGAAAAGAGCCTTGAAGAG  
 AGACCACAGGAGGACAGAGCTTCGGGACCAGGGGTCAATTTTAACTATCTACATAAGGACAGTGATTCA  
 TACCGTACATCTCCAGCAGGACTGTGGTCTGGCCAACAGCAAAGGCGGTGCTTTCAAATGAGACTCAAG  
 GGTATATCATGACCAGCAGGGAACCAAGTGCAGAGGGGACTCTCTGCCTACCCCTGTGTCAGAGCTG  
 GGTGTCTCTTGTACAGAGCGTGAGACTGTGCCACACACATCCTGTTGCTCCTGCTAACAGCACTCCCTG  
 CTCCTCTGAAAGCATGTACATTGTATAAATTTGCTTCTAAAATCTGCTTTGAACTGTCTAGGGACTTTA  
 GATCTGGACGGGTCAGCCTCTGTAACAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_144796

**Insert Size:** 1479 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:** [BC021842](#), [AAH21842](#)

**RefSeq Size:** 2068 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 96935

**UniProt ID:** [Q8BH32](#)

**Cytogenetics:** 1 H5

**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]