

## Product datasheet for **RG202622**

### **SUSD4 (NM\_001037175) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SUSD4 (NM\_001037175) 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)  
**ORF Nucleotide Sequence:** >RG202622 representing NM\_001037175  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTATCATGGAATGAACCCGAGCAATGGAGATGGATTTCTAGAGCAGCAGCAGCAGCAGCAACCTC  
 AGTCCCCCAGAGACTCTTGCCGTGATCCTGTGGTTTCAGCTGGCGCTGTGCTTCGGCCCTGCACAGCT  
 CACGGGCGGGTTCGATGACCTTCAAGTGTGTGCTGACCCCGCATTCCCGAGAATGGCTTCAGGACCC  
 AGCGGAGGGGTTTCTTTGAAGGCTCTGTAGCCGATTTCACTGCCAAGACGGATTCAAGCTGAAGGGC  
 CTACAAAGAGACTGTGTTTGAAGCATTTAATGGAACCCTAGGCTGGATCCCAAGTATAATTCCATCTG  
 TGTGCAAGAAGATTGCCGTATCCCTCAAATCGAAGATGCTGAGATTCATAACAAGACATATAGACATGGA  
 GAGAAGCTAATCATCACTTGTCATGAAGGATTCAGATCCGGTACCCCGACCTACACAATATGGTTTCAT  
 TATGTCGCGATGATGGAACGTGGAATAATCTGCCCATCTGTCAAGGCTGCCTGAGACCTCTAGCCTCTTC  
 TAATGGCTATGTAACATCTCTGAGCTCCAGACCTCCTTCCCGGTGGGACTGTGATCTCCTATCGCTGC  
 TTTCCCGATTTAACTTGATGGGTCTGCGTATCTTGAGTGCTTACAAAACCTTATCTGGTCGTCCAGCC  
 CACCCCGTGCCTTGCTCTGGAAGGAGGAAGACCTGAACATCTTTCCCTGTCCTTTATTTCCACACAT  
 CAGGTTGGCAGCTGCTGTGCTTTATTTTGGCCGTGTTAAAGTCCTCTCCACCCAGCACCTACCTGT  
 TCCTCAACTAGCACCACCACATCTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202622 representing NM\_001037175  
 Red=Cloning site Green=Tags(s)

MYHGMNPSNGDGFLEQQQQQQPQSPQRLLAVILWFQLALCFGPAQLTGGFDDLQVCADPGIPENGFRTPT  
 SGGVFFEGSVARFHCQDGFKLKLGATKRLCLKHFNGTLGWIPSDNSICVQEDCRIPQIEDAEIHNKTYRHG  
 EKLIITCHEGFKIRYPDLHNMVSLCRDDGTWNNLPICQGCLRPLASSNGYVNISELQTSFPVGTVISYRC  
 FPGFKLDGSAYLECLQNLIWSSPPRCLALEGGRPEHLFPVLYPHIRLAAAVLYFCPVLKSSPTPAPTC  
 SSTSTTSLF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001037175

**ORF Size:** 870 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\\_001037175.3](#)

**RefSeq Size:** 1044 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 55061

**UniProt ID:** [Q5VX71](#)

**Cytogenetics:** 1q41

**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 RG202622