

Product datasheet for **SC119071**

C1S (NM_001734) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1S (NM_001734) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1S
Synonyms:	EDSPD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001734, the custom clone sequence may differ by one or more nucleotides

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ATGTGGTGCATTGCCTGTTTTCTCTTTGGCATGGGTTATGCTGAGCCTACCATGTATGGGGAGATCC
TGTCCCCTAACTATCCTCAGGCATATCCCAGTGAGGTAGAGAAATCTTGGGACATAGAAGTTCCTGAAGG
GTATGGGATTCACCTCTACTTCACCCATCTGGACATTGAGCTGTCAGAGAACTGTGCGTATGACTCAGTG
CAGATAATCTCAGGAGACACTGAAGAAGGGAGGCTCTGTGGACAGAGGAGCAGTAACAATCCCCACTCTC
CAATTGTGGAAGAGTTCCAAGTCCCATACAACAACTCCAGTGATCTTTAAGTCAGACTTTTCCATGA
AGAGCGTTTTACGGGTTTGTGTCATACTATGTTGCCACAGACATAAATGAATGCACAGATTTTGTAGAT
GTCCCTTGTAGCCACTTCTGCAACAATTCATTGGTGGTTACTTCTGCTCCTGCCCCCGGAATATTTCC
TCCATGATGACATGAAGAATTGCGGAGTTAATTGCAGTGGGGATGTATTCACTGCACTGATTGGGGAGAT
TGCAAGTCCCAATTATCCCAAACCATATCCAGAGAACTCAAGGTGTAATACCAGATCCGGTTGGAGAAA
GGGTTCCAAGTGGTGGTACCTTGGGAGAGAAGATTTGATGTGAAGCAGCTGACTCAGCGGAAACT
GCCTTGACAGTTTGTGTTTGTGCAGGAGATCGGCAATTTGGTCTTACTGTGGTCATGGATTCCCTGG
GCCTCTAAATATTGAAACCAAGGTAATGCTCTTGATATCATCTTCCAACTGATCTAACAGGGCAAAAA
AAGGGCTGAAACTTCGCTATCATGGAGATCCAATGCCCTGCCCTAAGGAAGACACTCCCAATTCTGTTT
GGGAGCCTGCGAAGGCAAAATATGTCTTTAGAGATGTGGTGCAGATAACCTGTCTGGATGGGTTGAAGT
TGTGGAGGACGTGTTGGTGAACATCTTTCTATTCGACTTGTCAAAGCAATGAAAGTGGAGTAATTC
AAACTGAAATGTCAACCTGTGGACTGTGGCATTCTGAATCCATTGAGAATGGTAAAGTTGAAGACCCAG
AGAGCACTTTGTTGGTTCTGTCATCCGCTACACTTGTGAGGAGCCATTTACTACATGGAAAATGGAGG
AGGTGGGAGTATCACTGTGCTGGTAACGGGAGCTGGGTGAATGAGGTGCTGGGCCGGAGCTGCCGAAA
TGTGTTCCAGTCTGTGGAGTCCCAGAGAACCCTTTGAAGAAAAACAGAGGATAATTGGAGGATCCGATG
CAGATATTA AAAACTTCCCTGGCAAGTCTTCTTTGACAACCCATGGGCTGGTGGAGCGCTCATTAAATGA
GTACTGGGTGCTGACGGCTGCTCATGTTGTGGAGGAAAACAGGGAGCAACAATGTATGTTGGGTCCACC
TCAGTGCAGACCTCACGGCTGGCAAAATCCAAGATGCTCACTCCTGAGCATGTGTTTATTCATCCGGGAT
GGAAGCTGCTGGAAGTCCAGAGGACGAACCAATTTTGATAATGACATTGCACTGGTGGGCTGAAAGA
CCCAGTAAAAATGGGACCCACCGTCTCTCCATCTGCCTACCAGGCACCTCTCCGACTACAACCTCATG
GATGGGGACCTGGGACTGATCTCAGGCTGGGGCCGAACAGAGAAGAGAGATCGTGTCTGCTCGCTCAAGG
CGGCAAGTTACCTGTAGCTCCTTAAGAAAATGCAAAGAAGTGAAGTGGAGAAACCCACAGCAGATGC
AGAGGCCTATGTTTTCACTCCTAACATGATCTGTGCTGGAGGAGAGAAGGCATGGATAGCTGTAAGGG
GACAGTGGTGGGCCTTTGCTGTACAGGATCCCAATGACAAGACCAAAATTCTACGCAGCTGGCCTGGTGT
CCTGGGGGCCCAAGTGTGGGACCTATGGGCTCTACACACGGGTAAGAATATGTTGACTGGATAATGAA
GACTATGCAGGAAAATAGCACCCCCGTGAGGACTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001734 unedited</p> <pre>TCAGTAATTTGTAATACGACTCACTATTAGGGCGGCCGCGNAATTCGCACCAGGCTGGCC GGAGGTTCTGCAGAGGAGCGTCAAGGCCCTGTGCTGCTGCCCTGGGGCCAGAGGGGT TGCCCAGCATGCCACTGGCAGGAGAGAGGGAAGTACCCACTTGCTCCTACCAGTTCT GAAGGCTCCAAAGTCCGGAGGTGCAGAAAGCCAGGACCAAGATACAGGCAGCTCACCAGG GTGGACAAATCGCCAGAGATGTGGTGCATTGCTCCTGTTTTCACTTTTGGCATGGTTTAT GCTGAGCTACCATGTATGGGGAGATCCTGTCCCCTAAGTATCCTCAGGCATATCCCAGT GAGGTAGAGAAAATCTTGGGACATAGAAGTTCTGAAGGGTATGGGATTCACCTCTACTTC ACCCATCTGGACATTGAGCTGTGAGAGAACTGTGCGTATGACTCAGTGCAGATAATCTCA GGAGACTGAAGAAGGGAGGCTCTGTGGACAGAGGAGCAGTAACAATCCCCACTCTCCA ATTGTGGAAGAGTTCCAAGTCCCATACAACAACTCCAGGTGATCTTAAAGTCAGACTTT TCCAATGAAGAGCGTTTTACGGAGTTTGTGCTGATACTATGTTGCCACAGACATAAATGAA TGCACAGATTCTGTAGATGTCCCTTGTAGCCACTTCTGCAACAATTTTATTGGTGGTTAC TTCTGCTCCTGCCCCCGGAATATTTNCTCCATGATGACATGAAGAATTGCGGAGTTAAT TGCAGTGGGGATGTATTCACTGCACTGATTGGNGAGATTNGCAGTCCATTATTCCAAC CTATCCAGAGACTCAAGTGTGAATACAGATCCGNTGGAGATAGGCTNCAAGTGGGGTGA CCTTGCGAGAGATATNTGATGTGGAGCACTGACTCACGGAACTGCTGACAGTATTTTT GTGCAGAGATCGCATTGGTCTACGTGTGAC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001734 unedited</p> <pre>NGAGCCATTGGCGATGTGCAACTCCCAGGTCCAGNAAAGCACTGGGGNAGGGTCACAGG GCTGCCACCCGGGTATCTGTTGCAGGAAAACAGCTATGACCGCGCCGAATCTAGAGTC GAGTTTTTTTTTTTTTTTTTTGCTTATAAACATCCTTTATTGTACATAGACAGTGGATAC TGAGAATGATCAAGTAAATGGAATTTTGAACAGGTAAAGAGGAAACAAAGAATTAAAGTA TCCCTGTGGAATAGTGAAGAAAGGAGTCCCCACCCATAGTGTATCTACAATAGGTAC TCCGGGAAAGGACCCCAAGGAGTCAAGCACAATGTATGACCAGCACAATTCTATGAT CAAACCTACCTTAGCAAGGCGTCTCAACAATCAAGTCTATTTAAATCATTTCGCTCGT GTCTTCTTTCAGTCATGATGAAAATGAGAATATCATAAGGAACAGAAGGTAATGCATT GGTCACCACCCTTGGAGAGGCTGGTGGGATGTATCTGGATTAGTCTCACGGGGGGTCT ATTTTCTGCATAGTCTTATTATCCAGTCAACATAGTTCTTTACCCGTGTGTAGAGCCC ATAGTCCCACACTGGGGCCCCCAGGACACCAGGCCAGCTGCGTAGAATTTGGTCTTTGTC ATTGGGATCCTGTACAGCAAAGGCCCCACCACTGTCCCCTTTACAGCTATCCATGCCCTT CTCTCCTCCAGCACAGATCATGTTAGGAGTGAAAACATAGGCCTCTGCATCTGCTGTGGG TTTCTCCACTTTCACCTTCTTGCATTTTCTTAAAGGAGCTACAGGTAACCTTGCCGCTT TGAGCGAACAGCACGATCTCTTCTCTGTNTCGCCCCAGCCTGAGATCAGTCCCAGGTC CCCATCCATGATGTTGTANTCAGAAAGAGTGCCTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001734
Insert Size:	3000 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:	<ol style="list-style-type: none">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_001734.2 , NP_001725.1
RefSeq Size:	2714 bp
RefSeq ORF:	2067 bp
Locus ID:	716
UniProt ID:	P09871
Cytogenetics:	12p13.31
Domains:	CCP, CUB, Tryp_SPc, EGF_CA, EGF
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Complement and coagulation cascades, Systemic lupus erythematosus
Gene Summary:	<p>This gene encodes a serine protease, which is a major constituent of the human complement subcomponent C1. C1s associates with two other complement components C1r and C1q in order to yield the first component of the serum complement system. Defects in this gene are the cause of selective C1s deficiency. [provided by RefSeq, Mar 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p>