

Product datasheet for **RG218963**

C1S (NM_001734) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1S (NM_001734) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1S
Synonyms:	EDSPD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG218963 representing NM_001734
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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 CCTGGGGGCCAGTGTGGGACCTATGGGCTCTACACCGGTAAGAAGTATGTTGACTGGATAATGAA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

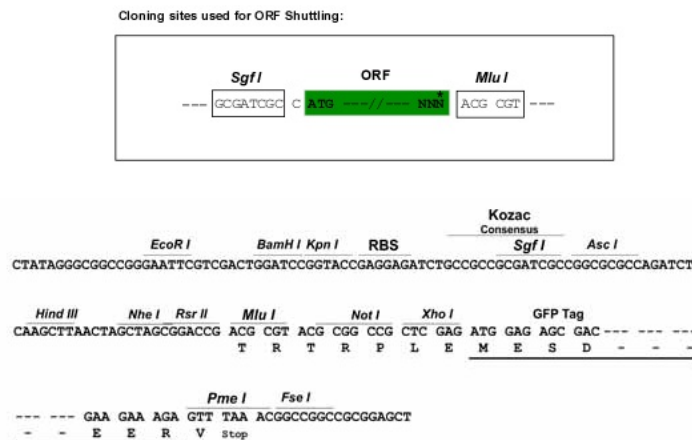
Protein Sequence: >RG218963 representing NM_001734
 Red=Cloning site Green=Tags(s)

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KLKCQPVD CGIPES IENKVEDPESTLFGSVIRYTC EEPY YMMENGGGGEYHCANGSWVNEVLGP ELPK
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SVQTSRLAKSKMLTPEHVF IHPGWKLLVEPEGRTNFDNDIALVRLKDPVKMGPTVSPICLPGTSSDYNLM
DGDGLGISGWRTEKRDRAVRLKAARLPVAPLRKCKEVKVEKPTADAEAYVFTPNMICAGGEKGMDSCKG
DSGGAF AVQDPNDKTKFYAAGL VSWGPQC GTYGLYTRVKNYVDWIMKTMQENSTPRED
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001734

ORF Size: 2064 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_001734.5](#)

RefSeq Size: 2714 bp

RefSeq ORF: 2067 bp

Locus ID: 716

UniProt ID: [P09871](#)

Cytogenetics: 12p13.31

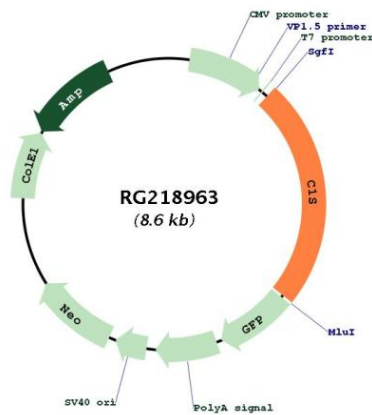
Domains: CCP, CUB, Tryp_SPc, EGF_CA, EGF

Protein Families: Druggable Genome, Protease

Protein Pathways: Complement and coagulation cascades, Systemic lupus erythematosus

Gene Summary: 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]

Product images:



Circular map for RG218963