

# Recombinant Full Length Human C1S Protein

**Cat. No.** C1S-42HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human C1s with N terminal proprietary tag; Predicted MW 101.75 kDa.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 688 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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.                                                                                                                                  |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 101.750kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p>MWCIVLFSLL AWVYAEP TMY GEILSPNYPQ AYPSEVEKSW DIEVPEGYGI</p> <p>HLYFTHLDIE LSENCA YDSV QIISGDTEEG RLCGQRSSNN PHSPIVEEFQ</p> <p>VPYNKLQVIF KSDFSNEERF TGFAAYYVAT DINECTDFVD VPCSHFCNNF</p> <p>IGGYFCSCPP EYFLHDDMKN CGVNCSGDVF TALIGEIASP NYPKPYPENS</p> <p>RCEYQIRLEK GFQVVVTLRR EDFDVEAADS AGNCLDSL VF VAGDRQFGPY</p> <p>CGHGFPGPLN IETKSNALDI IFQTDLTGQK KGWKLRYHGD PMPCPKEDTP</p> <p>NSWEPKAK YVFRDVVQIT CLDGFVVEG RVGATSFYST CQSNGKWSNS</p> |

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KLKCQPVDCG IPESIENGKV EDPESTLFGS VIRYTCEEPY YYMENGSGGE  
 YHCAGNGSWV NEVLGPELPK CVPVCGVPRE PFEEKQRIIG GSDADIKNFP  
 WQVFFDNPWA GGALINEYWV LTAHVVEGN REPTMYVGST SVQTSRLAKS  
 KMLTPEHVFI HPGWKLLEVP EGRTNFDNDI ALVRLKDPVK MGPTVSPICL  
 PGTSSDYNLM DGDGLISGW GRTEKRDRV RLKAARLPVA PLRKCKEVKV  
 EKPTADAEAY VFTPNMICAG GEKGMDSCKG DSGGAFVQD PNDKTKFYAA  
 GLVSWGPQCG TYGLYTRVKN YVDWIMKTMQ ENSTPRED

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents: 0.3% Glutathione, 0.79% Tris HCl.

## GENE INFORMATION

**Gene Name** C1S complement component 1, s subcomponent [ Homo sapiens ]

**Official Symbol** C1S

**Synonyms** C1S; complement component 1, s subcomponent; complement C1s subcomponent

**Gene ID** 716

**mRNA Refseq** NM\_001734

**Protein Refseq** NP\_001725

**MIM** 120580

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**UniProt ID**

P09871

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