



# Recombinant Human Complement C1s subcomponent (C1S)

<b>Product Code</b>	CSB-EP003657HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P09871
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	EPTMY GEILSPNYPQ AYPSEVEKSW DIEVPEGYGI HLYFTHLDIE LSENCAYDSV QIISGDTEEG RLCGQRSSNN PHSPIVEEFQ VPYNKLQVIF KSDFSNEERF TGFAAYVAT DINECTDFVD VPCSHFCNNF IGGYFCSCPP EYFLHDDMKN CGVNCSDGVF TALIGEIASP NYPKPYPENS RCEYQIRLEK GFQVVVTLRR EDFDVEAADS AGNCLDSLVE VAGDRQFGPY CGHGFPGPLN IETKSNALDI IFQTDLTGQK KGWKLRYHGD PMPCPKEDTP NSVWEPKAK YVFRDVVQIT CLDGFVVEG RVGATSFYST CQSNGKWSNS KLKCQPVDCG IPESIENGKV EDPESTLFGS VIRYTCEEPY YYMENGGGGE YHCAGNGSWV NEVLGPELPK CVPVCGVPRE PFEEKQRIIG GSDADIKNFP WQVFFDNPWA GGALINEYWV LTAHVVEGN REPTMYVGST SVQTSRLAKS KMLTPEHVFI HPGWKLEVP EGRTNFDNDI ALVRLKDPVK MGPTVSPICL PGTSSDYNLM DGDGLISGW GRTEKRDRAV RLKAARLPVA PLRKCKEVKV EKPTADAEAY VFTPNMICAG GEKGMDSCKG DSGGAFVQD PNDKTKFYAA GLVSWGPPQCG TYGLYTRVKN YVDWIMKTMQ ENSTPRED
<b>Source</b>	E.coli
<b>Target Names</b>	C1S
<b>Protein Names</b>	Recommended name: Complement C1s subcomponent EC= 3.4.21.42 Alternative name(s): C1 esterase Complement component 1 subcomponent s Cleaved into the following 2 chains: 1. Complement C1s subcomponent heavy chain 2. Complement C1s
<b>Expression Region</b>	16-688
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.