

Recombinant Human C1S

Cat. No. C1S-26615TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human C1s with N terminal proprietary tag; Predicted MW 101.75 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	688 amino acids
Description	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.
Molecular Weight	101.750kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MWCIVLFSLLAWVYAEP TMYGEILSPNYPQAYPSEVEKSW DIEVPEGYGIHLYFTHL
 DIELSENCAYDSVQIISGDTEEG RLCGQRSSNNPHSPIVEEFQVPYNKLQVIFKSDFS
 NEERF TGFAAYYVATDINECTDFVDVPCSHFCNNFIGGYFCSCPP EYFLHDDMKNC
 GVNCSGVDVFTALIGEIASPNYPKPYPENS RCEYQIRLEKGFQVVVTLRREDFDVEAA
 DSAGNCLDSL VF VAGDRQFGPYCGHGFPGPLNIETKSNALDIIFQTDLTGQK KGWK
 LRYHGDPMPCPKEDTPNSVWEPAKAKYVFRD VVQIT CLDGFEVVEGRVGATSFYS
 TCQSNGKWSNSKLKCQPVDCG IPESIENGKVEDPESTLFGSVIRYTCEEPYYMEN
 GGGGE YHCAGNGSWVNEVLGPELPKCVPCVGPVREPFE EKQRIIG GSDADIKNFP
 WQVFFDNPWAGGALINEYWVLTA AHVVEGN REPTMYVGSTSVQTSRLAKSKMLTP
 EHVFIHPGWKLLVP EGRTNFDNDIALVRLKDPVKMGPTVSPICLPGTSSDYNLM D
 GDLGLISGWGRTEKRDR AURLKAARLPVAPLRKCKEVKV EKPTADAEAYVFTPNMI
 CAGGEKGMDSCKGDSGGAF AVQD PNDKTKFYAAGLVSWGPQCGTYGLYTRVKN
 YVDWIMKTMQ ENSTPRED

Sequence

Belongs to the peptidase S1 family. Contains 2 CUB domains. Contains 1 EGF-like

Similarities

domain. Contains 1 peptidase S1 domain. Contains 2 Sushi (CCP/SCR) domains.

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

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MIM	120580
Uniprot ID	P09871
Chromosome Location	12p13
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem;
Function	calcium ion binding; peptidase activity; serine-type endopeptidase activity;

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