

Recombinant Human C1S Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. C1S-5501H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C1S MS Standard C13 and N15-labeled recombinant protein (NP_001725) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	76.68 kDa
AA Sequence	MWCIVLFSLLAWVYAEP TMYGEILSPNYPQAYPSEVEKSWDIEVPEGYGIHLYFTHL DIELSENCA YDSVQIISGDTEEGRLCGQRSSNNPHSPIVEEFQVPYNKLQVIFKSDFS NEERFTGFAAYYVATDINECTDFVDVPCSHFCNNFIGGYFCSCPPEYFLHDDMKNC GVNCSGDVFTALIGEIASPNYPKPYPENSRC EYQIRLEKGFQVVTLRREDFDVEAA DSAGNCLDSL VFVAGDRQFGPYCGHGFPGPLNIETKSNALDIIFQTDLTGQKKGWKL RYHGDPMPCPKEDTPNSVWEPAKAKYVFRDVVQITCLDGFVEVVEGRVGATSFYST CQSN GKWSNSKLKCQPVDCGIPESIENGKVEDPESTLFGSVIRYTCEEPYYMENG GGGEYHCAGNGSWVNEVLGPELPKCVPCGVPREPFE EKQRIIGGSDADIKNFPW QVFFDNPWAGGALINEYWVLTAAHVVEGNREPTMYVGSTSVQTSRLAKSKMLTPE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HVFIHPGWKLLEVPEGRTNFDNDIALVRLKDPVKMGPTVSPICLPGTSSDYNLMDGD
LGLISGWGRTEKRDRAVRLKAARLPVAPLRKCKEVKVEKPTADAEAYVFTPNMICAG
GEKGMDSCCKGDSGGAFVQDPNDKTKFYAAGLVSWGPQCGTYGLYTRVKNYVDW
IMKTMQENSTPREDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name C1S complement C1s [Homo sapiens (human)]

Official Symbol C1S

Synonyms C1S; complement component 1, s subcomponent; complement C1s subcomponent; C1 esterase; basic proline-rich peptide IB-1; complement component 1 subcomponent s; FLJ44757;

Gene ID 716

mRNA Refseq NM_001734

Protein Refseq NP_001725

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MIM	120580
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UniProt ID	P09871
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