

Recombinant Full Length Human C1S Protein, His tagged

Cat. No. C1S-30HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human complement component 1, s subcomponent (C1S), transcript variant 2 with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-688 aa
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	74.8 kDa
AASequence	MWCIVLFSLLAWVYAEP TMYGEILSPNYPQAYPSEVEKSWDIEVPEGYGIHLYFTHL DIELSENCAYDSVQIISGDTEEGRLCGQRSSNNPHSPIVEEFQVPYNKLQVIFKSDFS NEERFTGFAAYYVATDINECTDFVDVPCSHFCNNFIGGYFCSCPPEYFLHDDMKNC GVNCSGDVFTALIGEIASPNYPKYPENSRC EYQIRLEKGFQVVVTLRREDFDVEAA DSAGNCLDSL V FVAGDRQFGPYCGHGFPGPLNIETKSNALDIIFQTDLTGQKKGWKL RYHGDPMPCKEDTPNSVWEPAKAKYVFRD VVQITCLDGFVVEGRV GATSFYST CQSN GKWSNSKLKQPVDCGIPES IENGKVEDPESTLFGSVIRY TCEEPY Y M E N G GGGEYHCAGNGSWVNEVLGPELPKCV P VCGVPREPFE EKQRIIGGSDADIKNFPW QVFFDNPWAGGALINEYWVLTA AHVVEGNREPTMYVGSTSVQTSRLAKSKMLTPE

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HVFIHPGWKLLLEVPEGRTNFDNDIALVRLKDPVKMGPTVSPICLPGTSSDYNLMDGD
 LGLISGWGRTEKRDRAVRLKAARLPVAPLRKCKEYKVEKPTADAEAYVFTPNMICAG
 GEKGMDSCKGDSGGAFVQDPNDKTKFYAAGLVSWGPPQCGTYGLYTRVKNYVDW
 IMKTMQENSTPREDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.05 µg/µL as determined by microplate BCA method

Shipping Dry Ice

Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name C1S complement component 1, s subcomponent [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

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mRNA Refseq	NM_001734
Protein Refseq	NP_001725
MIM	120580
UniProt ID	P09871

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