

Product datasheet

Recombinant Human C1s protein ab116902

1 Image

Overview

<b>Product name</b>	Recombinant Human C1s protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ

Amino Acid Sequence

<b>Accession</b>	<a href="#">P09871</a>
<b>Species</b>	Human
<b>Sequence</b>	MWCMLFSL LAWVYAEPTMYGEILSPNYPQAYPSEVEKSWDIEVPEGYGI HLYFTHLDIELSENCA YDSVQIISGDTEEGRLCGQRSSNNPHSPV EEFQ VPYNKLQVIFKSDFSNEERFTGFAAYVATDINECTDFVDVPCSHFCNNF IGGYFCSCPPEYFLHDDMKNCGVNCSGDVFTALIGEIASPNYPKYPENS RCEYQIRLEKGFQVVVTLRREDFDVEAADSAGNCLDSL VFVAGDRQFGPY CGHGFPGPLNIETKSNALDIIFQTDLTGQKKGWKLRYHGDPMPCKEDTP NSVWEPAKAKYVFRDVVQITCLDGFVVEGRV GATSFYSTCQSNGKWSNS KLKQCQPVDCGIPESIENKVEDPESTLFGSVIRYTCEEPYYMENG GGGGE YHCAGNGSWVNEVLGPELPKCVPCGVPREPFEEKQRIIGGS DADIKNFP WQVFFDNPWAGGALINEYWVLTAAHVVEGNREPTMYVGSTSVQTSRLAKS KMLTPEHVFIHPGWKLLVEPEGRTNFDNDIALVRLKDPVKMGPTVSPICL PGTSSDYNLMDGDLGLISGWGRTEKRDRVRLKAARLPVAPLRKCKE VKV EKPTADAEAYVFTPNMICAGGEKGMDSCKGDSGGAFVQDPNDKTKFYAA GLVSWGPPQCGTYGLYTRVKNYVDWIMKTMQENSTPRED

<b>Molecular weight</b>	102 kDa including tags
<b>Amino acids</b>	1 to 688

Specifications

Our [Abpromise guarantee](#) covers the use of **ab116902** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA
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SDS-PAGE

Western blot

**Form** Liquid

**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.  
Best use within three months from the date of receipt of this protein.

## Preparation and Storage

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

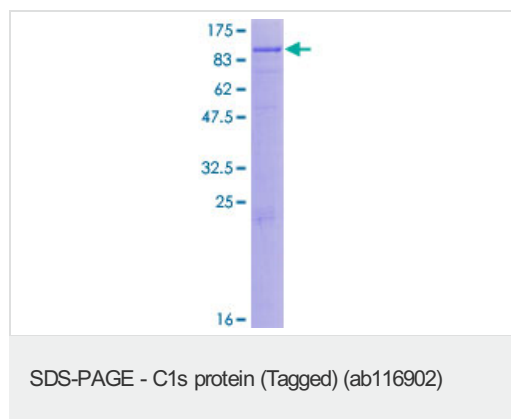
**Function** C1s B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4.

**Involvement in disease** Defects in C1S are the cause of complement component C1s deficiency (C1SD) [MIM:613783]. A rare defect resulting in C1 deficiency and impaired activation of the complement classical pathway. C1 deficiency generally leads to severe immune complex disease with features of systemic lupus erythematosus and glomerulonephritis.

**Sequence similarities** Belongs to the peptidase S1 family.  
Contains 2 CUB domains.  
Contains 1 EGF-like domain.  
Contains 1 peptidase S1 domain.  
Contains 2 Sushi (CCP/SCR) domains.

**Post-translational modifications** The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

## Images



12.5% SDS-PAGE showing ab116902 at approximately 101.75 kDa stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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