abcam

Product datasheet

Recombinant Human C9 protein ab114199

1 Image

Description

Product name	Recombinant Human C9 protein
Expression system	Wheat germ
Accession	P02748
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QYTTSYDPELTESSGSASHIDCRMSPWSEWSQCDPCLR QMFRSRSIEVFG QFNGKRCTDAVGDRRQCVPTEPCEDAEDDCGNDFQCS TGRCIKMRLRCNG DNDCGDFSDEDDCESEPRPPCRDRVVEESELARTAGYG INILGMDPLSTP FDNEFYNGLCNRDRDGNTLTYYRRPWNVASLIYETKGEKN FRTEHYEEQI EAFKSIIQEKTSNFNAAISLKFTPTETNKAEQCCEETASSIS LHGKGSFR FSYSKNETYQLFLSYSSKKEKMFLHVKGEIHLGRFVMRNR DVVLTTTFVD DIKALPTTYEKGEYFAFLETYGTHYSSSGSLGGLYELIYVLD KASMKRKG VELKDIKRCLGYHLDVSLAFSEISVGAEFNKDDCVKRGEG RAVNITSENL IDDVVSLIRGGTRKYAFELKEKLLRGTVIDVTDFVNWASSIN DAPVLISQ KLSPIYNLVPVKMKNAHLKKQNLERAIEDYINEFSVRKCHT CQNGGTVIL MDGKCLCACPFKFEGIACEISKQKISEGLPALEFPNEK
Predicted molecular weight	85 kDa including tags
Amino acids	22 to 559

Specifications

Our **Abpromise guarantee** covers the use of **ab114199** in the following tested applications.

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

Applications	SDS-PAGE Western blot ELISA
Form	Liquid

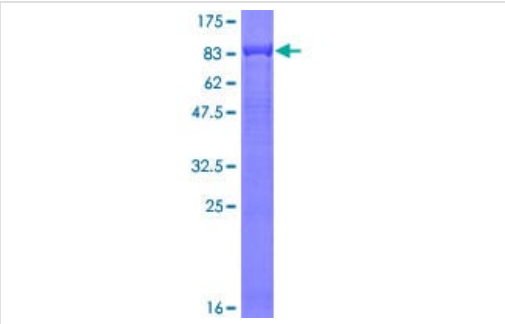
Preparation and Storage

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

General Info

Function	Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C9 is the pore-forming subunit of the MAC.
Tissue specificity	Plasma.
Involvement in disease	Defects in C9 are a cause of complement component 9 deficiency (C9D) [MIM:613825]. A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by Neisseria gonorrhoeae or Neisseria meningitidis.
Sequence similarities	Belongs to the complement C6/C7/C8/C9 family. Contains 1 EGF-like domain. Contains 1 LDL-receptor class A domain. Contains 1 MACPF domain. Contains 1 TSP type-1 domain.
Post-translational modifications	Thrombin cleaves factor C9 to produce C9a and C9b. Phosphorylation sites are present in the extracelllular medium.
Cellular localization	Secreted. Cell membrane. Secreted as soluble monomer. Oligomerizes at target membranes, forming a pre-pore. A conformation change then leads to the formation of a 100 Angstrom diameter pore.

Images



SDS-PAGE - Recombinant Human C9 protein (ab114199)

ab114199 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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