

Product datasheet

Recombinant Human C1QA protein ab157982

1 Image

Description

Product name	Recombinant Human C1QA protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EDLCRAPDGKKGEAGRPGRRGRPGLKGEQGEPEGAPGIR TGIQGLKGDQGE PGPSGNPGKVGYPGPSGPLGARGIPGIKGTKGSPGNKIQ PRPAFSAIRR NPPMGGNVVIFDTVITNQEEPYNHSGRFVCTVPGYYYFTF QVLSQWEIC LSMSSSRGQVRRSLGFCDTTNKGLFQVVS GGMVLQLQQ GDQVWVEKDPK KGHYQGSEADSVFSGFLIFPSA
Amino acids	23 to 245
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab157982** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid

Additional notes

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
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Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.
Involvement in disease	Defects in C1QA are the cause of complement component C1qA deficiency (C1QAD) [MIM:120550]. 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	Contains 1 C1q domain. Contains 1 collagen-like domain.
Post-translational modifications	O-linked glycans consist of Glc-Gal disaccharides bound to the oxygen atom of post-translationally added hydroxyl groups.
Cellular localization	Secreted.

Images



ab157982 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human C1QA protein
(ab157982)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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