abcam

Product datasheet

Recombinant Human ClQA protein ab157982

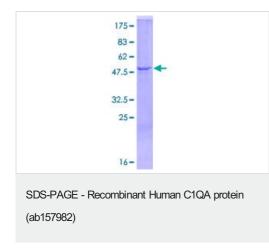
1 Image

Product name Recombinant Human C1QA protein Expression system Vilat germ Protein length Full length protein Animal free No Nature Recombinant Species Human Sequence EDLCRAPDGKKGEAGRPGRKGRPGLKGEQGEPGAPGR PGPSGNPGKV02PGPSGPLGARGIPGKKGSPGNKDQ PGPSGNPGKV02PGPSGPLGARGIPGKKGSPGNKDQ PGPSGNPGKV02PGPSGPLGARGIPGKKGSGPGNKDQ PGPSGNPGKV02PGPSGPLGARGIPGKGKGSGPGNKDQ PGPSGNPGKV02PGPSGPLGARGIPGKGKGSGPGNKDQLQQ GDQVWEKDPTNTNDEEPYQNHSGRFVCTVPGYYFTF QVLS0WEIC LSMSSSGQVRRSLGFCDTTNKQEFOVSGGMVLQLQQ GDQVWEKDPK KGHMQGSEADSVFSGFLFPSA Amino acids 23 to 245 Tags GST tag N-Terminus Specifications Soft tag N-Terminus Cur Abpromise guarantee covers true of ab157982 in the following tested applications. The application notes include recovers datating dilutions; optimal dilutions/concentrations should be determined by the end user. Applications ELISA Western blot Form Liquid Additional notes Liquid Additional notes Sibped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH 8.00	Description			
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	Stability and Storage			

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.

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