

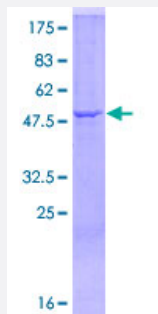
Full-Length

C1QA (Human) Recombinant Protein (P01)

Catalog # H00000712-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human C1QA full-length ORF (AAH30153.1, 23 a.a. - 245 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

EDLCRAPDGKKGEAGRPGRGRPLKGEQGEPEGAPGIRTGIQGLKGDQGEPPSGNPGKVGYP
GPSGPLGARGIPGKGTGSGPNKDQPRPAFSAIRRNPPMGGNVVIFDTVITNQEEPYNHSGRF
VCTVPGYYYFTFQVLSQWEICLSIVSSSRGQVRRSLGFCDTTNKGLFQVVSGGMVLQLQQGDQV
WVEKDPKKGHIYQGSEADSVFSGFLIFPSA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

50.27

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — C1QA

Entrez GeneID [712](#)

GeneBank Accession# [BC030153](#)

Protein Accession# [AAH30153.1](#)

Gene Name C1QA

Gene Alias -

Gene Description complement component 1, q subcomponent, A chain

Omim ID [120550](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the A-chain polypeptide of human complement subcomponent C1q. [provided by RefSeq]

Other Designations OTTHUMP00000002936|complement component 1, q subcomponent, alpha polypeptide|complement component C1q, A chain

Pathway

- [Complement and coagulation cascades](#)

- [Prion diseases](#)
- [Systemic lupus erythematosus](#)

Disease

- [Amyloid Neuropathies](#)
- [Birth Weight](#)
- [Bone Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Neoplasm Metastasis](#)