

Recombinant Human C1QA, GST-tagged

Cat. No. C1QA-10475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1QA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-245a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	C1QA complement component 1, q subcomponent, A chain [Homo sapiens]
Official Symbol	C1QA
Synonyms	C1QA; complement component 1, q subcomponent, A chain; complement component 1, q subcomponent, alpha polypeptide; complement C1q subcomponent subunit A; complement component C1q, A chain;
Gene ID	712
mRNA Refseq	NM_015991
Protein Refseq	NP_057075
MIM	120550
UniProt ID	P02745
Chromosome Location	1p36.3-p34.1
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Classical antibody-mediated complement activation, organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem;