

Complement Component C1q, Human Serum

04/21

CATALOG NO:	P1721-1000 1 mg
ALTERNATE NAMES:	C1q; C1QA; C1QB; C1QC; C1QG; Complement Component 1, Q Subcomponent
MOL. WT.	410 kDa
NCBI GENE ID:	Chain A – 712; Chain B – 713; Chain C – 714
ACCESSION NO.:	Chain A – P02745; Chain B – P02746; Chain C – P02747
PURITY:	≥ 96% by SDS-PAGE
SOURCE:	Human serum
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 0.01 M disodium EDTA solution with 0.3 M NaCl, pH 7.5
RECONSTITUTION:	Reconstitute to desired concentration in sterile deionized water.
STORAGE CONDITIONS:	Store at 4 °C.
DESCRIPTION:	Complement subcomponent C1q is composed of three polypeptide chains (A, B, and C). C1q associates with C1r and C1s to set up the first component of the serum complement system. Activation of the complement system is induced by interaction with the Fc regions of IgG or IgM antibodies within immune complexes, enhancing the ability of those antibodies and cells of the immune system to attack pathogens. C1q deficiency is associated with lupus and glomerulonephritis.
INFECTIOUS DISEASE TESTING:	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, and HCV by current FDA approved methods.

RELATED PRODUCTS:

Complement C4c, Human Plasma (Cat. No. P1272)
Anti-C5 (Eculizumab), Humanized Antibody (Cat. No. A2138)
Human CellExp™ Complement C5, Human Recombinant (Cat. No. P1467)
Complement C5, Human Plasma (Cat. No. P1273)
Complement C3c, Human Plasma (Cat. No. P1271)
Human CellExp™ Complement Factor D, Human Recombinant (Cat. No. P1491)

FOR RESEARCH USE ONLY! Not to be used on humans.