Active Human C3 Reference Standard

Cat. No. C3-7H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	The C3c component is central in both complementactivation pathways, with different specific proteolytic systems cleaving itto form C3 convertase. Cleavage of C3 releases C3a and the Cab fragment whichis part of the alternative C3 convertase. C3 levels can be low because ofdecreased synthesis or due to consumption. High C3 levels are seen in highlyacute or chronic inflammation, hepatic cholestasis and during the thirdtrimester of pregnancy. Unwanted complement activation is a major cause oftissue damage in various pathological conditions and contributes to quite afew immune complex diseases.
Form	Liquid
Bio-activity	The level of C3 in the serum was quantified using ELISA.
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	709.6 ug/ml

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Preservative	0.1% sodium azide

GENE INFORMATION

Gene Name	C3 complement component 3 [Homo sapiens]
Official Symbol	C3
Synonyms	C3; complement component 3; complement C3; CPAMD1; complement component C3; acylation-stimulating protein cleavage product; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; ASP; AHUS5; ARMD9;
Gene ID	718
mRNA Refseq	NM_000064
Protein Refseq	NP_000055
MIM	120700
UniProt ID	P01024
Chromosome Location	19p13.3-p13.2
Pathway	Activation of C3 and C5, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alternative complement activation, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	endopeptidase inhibitor activity; protein binding; receptor binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA