Active Native Human Complement factor H

Cat. No. CFH-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Complement factor H was purified from normal human serum.
Species	Human
Source	Human Serum
Description	This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in the regulation of complement activation, restricting this innate defense mechanism to microbial infections. Mutations in this gene have been associated with hemolytic-uremic syndrome (HUS) and chronic hypocomplementemic nephropathy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Bio-activity	>90% versus normal human serum standard
Molecular Mass	155,000 Da (single chain)
Purity	>95% by SDS-PAGE
Storage	-70°C or below. Avoid freeze/thaw.
Concentration	1.0 mg/mL
Storage Buffer	10 mM sodium phosphate, 145 mM NaCl, pH 7.3

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	None, 0.22 μm filtered

GENE INFORMATION

Gene Name	CFH complement factor H [Homo sapiens (human)]
Official Symbol	CFH
Synonyms	complement factor H; FH; HF; HF1; HF2; HUS; FHL1; AHUS1; AMBP1; ARMD4; ARMS1; CFHL3; MGC88246; CFH; complement factor H; beta-1H; factor H; factor H-like 1; beta-1-H-globulin; OTTHUMP00000034106; H factor 1 (complement); H factor 2 (complement); adrenomedullin binding protein; complement factor H, isoform b; age-related maculopathy susceptibility 1
Gene ID	3075
mRNA Refseq	NM_000186
Protein Refseq	NP_000177
MIM	134370
UniProt ID	P08603
Chromosome Location	1q32
Pathway	Complement and coagulation cascades; Immune System; Staphylococcus aureus infection
Function	heparan sulfate proteoglycan binding; heparin binding; protein binding

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