

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

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Preservative None, 0.22 µ 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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