Active Native Human Factor H

Cat. No. CFH-115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Complement factor H (fH) is purified from normal human serum.
Species	Human
Source	Human Serum
Description	It is an essential regulatory component of the alternative pathway of complement. It is critical for prevention of complement activation on host cells and tissues, especially the kidney. It has two functional activities: 1) it controls the formation and decay of the alternative pathway C3/C5 convertase (decay accelerating activity) and 2) it acts as a cofactor for factor I which proteolytically inactivates C3b when C3b is bound to factor H (cofactor activity).
Form	Frozen liquid. 10 mM sodium phosphate, 145 mM NaCl, pH 7.3.
Bio-activity	>90% versus normal human serum standard
Molecular Mass	155,000 Da (single chain)
Purity	≥95% by SDS-PAGE
Storage	Store at -70°C or below. Avoid freeze/thaw.
Concentration	1 mg/ml

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GENE INFORMATION

Gene Name	CFH complement factor H [Homo sapiens]
Official Symbol	CFH
Synonyms	CFH; complement factor H; H factor 1 (complement) , HF, HF1, HF2; age related maculopathy susceptibility 1; ARMS1; beta 1H; FHL1; H factor 2 (complement); HUS; beta-1H; factor H; factor H-like 1; beta-1-H-globulin; H factor 1 (complement); adrenomedullin
Gene ID	3075
mRNA Refseq	NM_000186
Protein Refseq	NP_000177
MIM	134370
UniProt ID	P08603
Chromosome Location	1q32
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Regulation of Complement cascade, organism-specific biosystem; Staphylococcus aureus infection, organism-specific biosystem;

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