

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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