

Recombinant Human CFH, His-tagged

Cat. No. CFH-26763TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 160-463 of Human Factor H with N terminal His tag; 304 amino acids, 35kDa.
Species	Human
Source	E.coli
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.
Conjugation	HIS
Tissue specificity	Expressed by the liver and secreted in plasma.
Form	Lyophilised:Reconstitute with 90 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

SAMEPDREYHFGQAVRFVCNSGYKIEGDEEMHCSDDGFW S KEKPKCVEISCKSPD
 VINGSPISQKIYKENERFQYKC NMGYEYSERGDVCTESGWRPLPSCEEKSCDNP
 YIPNGDY SPLRIKHRTGDEITYQCRNGFY PATRGNTAKCTSTGWI PAPRCTLKPCD
 YPDIKHGGLYHENMRRPYFPVAVGKYY SYCDEHFETPSGSYWDHIHCTQDGWSP
 AVPCLRKCYFPY LENGYNQNHGRKFVQGKSIDVACHPGYALPKAQT TVTC MENG
 WSPTPRCIRVKTCSKSSIDIENGFISE

Sequence Similarities

Contains 20 Sushi (CCP/SCR) domains.

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;

Gene ID [3075](#)

mRNA Refseq [NM_000186](#)

Protein Refseq [NP_000177](#)

MIM [134370](#)

Uniprot ID [P08603](#)

Chromosome Location 1q32

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Pathway

Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Staphylococcus aureus infection, organism-specific biosystem; Staphylococcus aureus infection, conserved biosystem;

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