

Recombinant Full Length Human CFH Protein, GST-tagged

Cat. No. CFH-3295HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CFH full-length ORF (AAH37285, 20 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	449 amino acids
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. [provided by RefSeq, Oct 2011]
Molecular Mass	73.04 kDa
AA Sequence	DCNELPPRRNTEILTGSWSDQTYPEGTQAIYKCRPGYRSLGNVIMVCRKGEWVALN PLRKCQKRPCGHPGDTPFGTFTLTGGNVFEYGVKAVYTCNEGYQLLGEINYRECDT DGWTNDIPICEVVKCLPVTAPENGKIVSSAMEPDREYHFGQAVRFVCNSGYKIEGDE EMHCSDDGFWWSKEKPKCVEISCKSPDVINGSPISQKIYKENERFQYKCNMGYEYSE RGDAVCTESGWRPLPSCEEKSCDNPYIPNGDYSPLRIKHRTGDEITYQCRNGFYPA

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TRGNTAKCTSTGWIPAPRCTLKPCDYPDIKHGGGLYHENMRRPYFPVAVGKYYSYYC
DEHFETPSGSYWDHIHCTQDGWSPA VPCLRKCYFPYLENGYNQNYGRKFVQGKSI
DVACHPGYALPKAQTTVTCMENGWSPTPRCIRVSFTL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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 binding protein; complement factor H, isoform b; age-related maculopathy susceptibility 1; FH; HF; HF1; HF2; AHUS1; AMBP1; ARMD4; CFHL3; MGC88246;

Gene ID

3075

mRNA Refseq

NM_000186

Protein Refseq

NP_000177

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MIM	134370
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UniProt ID	P08603
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