

## Recombinant Full Length Human CFH Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human CFH full-length ORF (AAH37285, 20 a.a. - 449 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	449 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	73.04 kDa
<b>AA Sequence</b>	<p>DCNELPPRRNTEILTGSWSDQTYPEGTQAIYKCRPGYRSLGNVIMVCRKGEWVALN            PLRKCQKRPCGHPGDTPFGTFTLTGGNVFEYGVKAVYTCNEGYQLLGEINYRECDT            DGWTNDIPICEVVKCLPVTAPENKIVSSAMEPDREYHFGQAVRFVCNSGYKIEGDE            EMHCSDDGFWSKEKPKCVEISCKSPDVINGSPISQKIYKENERFQYKCNMGYEYSE            RGDVCTESGWRPLPSCEEKSCDNPYIPNGDYSPLRIKHRTGDEITYQCRNGFYPA</p>

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TRGNTAKCTSTGWIPAPRCTLKPCDYDPDIKHGGLYHENMRRPYFPVAVGKYYSYYC  
 DEHFETPSGSYWDHIHCTQDGWSPA VPCLRKCYFPYLENGYNQNYGRKFVQGKSI  
 DVACHPGYALPKAQT TVTCMENGWSPTPRCIRVSFTL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CFH complement factor H [ Homo sapiens ]
<b>Official Symbol</b>	CFH
<b>Synonyms</b>	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;
<b>Gene ID</b>	3075
<b>mRNA Refseq</b>	NM_000186
<b>Protein Refseq</b>	NP_000177



<b>MIM</b>	134370
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<b>UniProt ID</b>	P08603
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