Recombinant Human CFH Protein, His-tagged

Cat. No. CFH-762H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFH Protein (Gly1107-Arg1231) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Gly1107-Arg1231
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.4 kDa; Accurate Molecular Mass: 17 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CFH complement factor H [Homo sapiens (human)]
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
UniProt ID	P08603

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