

Recombinant Human CFHR5 Protein, His-tagged

Cat. No. CFHR5-767H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFHR5 Protein (Glu19-Glu569) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu19-Glu569
Description	This gene is a member of a small complement factor H (CFH) gene cluster on chromosome 1. Each member of this gene family contains multiple short consensus repeats (SCRs) typical of regulators of complement activation. The protein encoded by this gene has nine SCRs with the first two repeats having heparin binding properties, a region within repeats 5-7 having heparin binding and C reactive protein binding properties, and the C-terminal repeats being similar to a complement component 3 b (C3b) binding domain. This protein co-localizes with C3, binds C3b in a dose-dependent manner, and is recruited to tissues damaged by C-reactive protein. Allelic variations in this gene have been associated, but not causally linked, with two different forms of kidney disease: membranoproliferative glomerulonephritis type II (MPGNII) and hemolytic uraemic syndrome (HUS).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.2 kDa; Accurate Molecular Mass: 66 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CFHR5 complement factor H related 5 [Homo sapiens (human)]
Official Symbol	CFHR5
Synonyms	CFHR5; complement factor H related 5; FHR5; CFHL5; FHR-5; CFHR5D; complement factor H-related protein 5; factor H-related protein 5
Gene ID	81494
mRNA Refseq	NM_030787
Protein Refseq	NP_110414

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MIM	608593
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UniProt ID	Q9BXR6
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