

Recombinant Human CFHR1, His-tagged

Cat. No. CFHR1-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFHR1 (Glu19-Arg330) fused with His tag at the C-terminus was expressed in mammalian Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	19-330 a.a.
Description	FHR1 (Complement Factor H-related protein 1) is a 43 kDa, secreted member of the factor H family of glycoproteins. The human complement factor H protein family consists of the complement and immune regulators factor H, the factor H-like protein 1(FHL-1) and five factor H-related proteins (CFHR-1 to -5). Members of the H-related protein family are exclusively composed of individually folded protein domains, termed short consensus repeats (SCRs) or complement control modules. FHR1 is produced by hepatocytes and circulates as two differentially glycosylated isoforms (37 kDa and 43 kDa). Mature human FHR1 is 312 amino acids (aa) in length. It contains five, approximately 60 aa SCRs that basically constitute the entire molecule. FHR1 may play a role in complement regulation, lipid metabolism and lipoprotein complexes that bind PMNs to LPS.
Molecular Mass	43 kDa
Formulation	Lyophilized from a 0.2µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

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Purity	Greater than 95% as determined by SEC-HPLC and SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg)
Reconstitution	We recommend a quick spin followed by reconstitution of Recombinant Human CFHR1 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to working solutions.
Storage	Lyophilized Complement Factor H-related 1/CFHR1 should be stored at less than -20°C, though stable at room temperature for 3 weeks. Aliquots of reconstituted samples are stable at less than -20°C for 3 months.
OfficialSymbol	CFHR1

GENE INFORMATION

Gene Name	CFHR1 complement factor H-related 1 [Homo sapiens]
Synonyms	CFHR1; complement factor H-related 1; CFHL1, CFHL1P, CFHR1P, complement factor H related 1 pseudogene , H factor (complement) like 1 , H factor (complement) like 2 , HFL1, HFL2; complement factor H-related protein 1; CFHL; FHR1; H36 1; H36 2
Gene ID	3078
mRNA Refseq	NM_002113
Protein Refseq	NP_002104
MIM	134371

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UniProt ID	Q03591
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Chromosome Location	1q32
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