

# Recombinant Human CFHR1 (C-6His)

Catalog # EPT123

**Expression Host** Human Cells

**DESCRIPTION** Recombinant Human Complement Factor H-Related 1

is produced by our Mammalian expression system and

the target gene encoding Glu19-Arg330 is expressed

with a 6His tag at the C-terminus.

Accession Q03591

Synonyms Complement Factor H-Related Protein 1; FHR-1; H

Factor-Like Protein 1; H-Factor-Like 1; H36; CFHR1;

CFHL; CFHL1; CFHL1P; CFHR1P; FHR1; HFL1; HFL2

Mol Mass 36.78 KDa

**AP Mol Mass** 39-43 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of 20mM

PB, 150mM NaCl, 2mM EDTA, pH 7.4.



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#### RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

#### **SHIPPING**

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

#### **STORAGE**

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

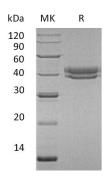
### **BACKGROUND**

Complement Factor H-Related 1 (CFHR1) 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 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.



## **SDS-PAGE**

