

# Recombinant Human CFHR1 protein (His tag)

Catalog Number:PDEH100161



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

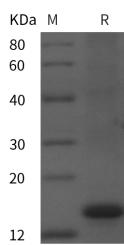
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Thr205-Lys329
<b>Accession</b>	Q03591
<b>Calculated Molecular Weight</b>	13.6 kDa
<b>Observed molecular weight</b>	15 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



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## 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

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complexes that bind PMNs to LPS.

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