

## Active Recombinant Human CFD protein, His-Avi-tagged, Biotinylated

**Cat. No.** CFD-3030H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human CFD protein(Gln 19-Pro 224), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln 19-Pro 224
<b>Form</b>	Lyophilized from 0.22 μm filtered solution in 20 mM Tris, 1 M NaCl, pH8.0 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human CD32a (H167), His Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Human C-Reactive Protein, His,Avitag with a linear range of 0.02-1.25 μg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™)The protein has a calculated MW of 26.6 kDa. The protein migrates as 29 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per μg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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**Storage** For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** CFD complement factor D (adipsin) [ Homo sapiens ]

**Official Symbol** CFD

**Synonyms** CFD; complement factor D (adipsin); D component of complement (adipsin) , DF, PFD, properdin factor D; complement factor D; ADN; properdin factor D; C3 convertase activator; complement factor D preproprotein; D component of complement (adipsin); DF; PFD; ADIPSIN;

**Gene ID** 1675

**mRNA Refseq** NM\_001928

**Protein Refseq** NP\_001919

**MIM** 134350

**UniProt ID** P00746

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