

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

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

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CFD protein(Gln 19-Pro 224), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 19-Pro 224
Form	Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 1 M NaCl, pH8.0 with trehalose as protectant.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>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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