Recombinant Human CFD, His-tagged

Cat. No. CFD-11134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFD protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-253a.a.
Description	The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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

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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
Chromosome Location	19p13.3
Pathway	Adipogenesis, organism-specific biosystem; Alternative complement activation, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Hemostasis, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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