

Recombinant Human CFD Protein

Cat. No. CFD-790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CFD protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	253
Description	This gene encodes a member of the S1, or chymotrypsin, family of serine peptidases. This protease catalyzes the cleavage of factor B, the rate-limiting step of the alternative pathway of complement activation. This protein also functions as an adipokine, a cell signaling protein secreted by adipocytes, which regulates insulin secretion in mice. Mutations in this gene underlie complement factor D deficiency, which is associated with recurrent bacterial meningitis infections in human patients. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protease.
Form	Lyophilized
Molecular Mass	25.2 kDa
AA Sequence	MHSWERLAVLVLLGAAACAAPPRGRILGGREAEAHARPYMASVQLNGAHLCCGGVL VAEQWVLSAAHCLEDAADGKVQVLLGAHSLSQPEPSKRLYDVLRAVPHPDSPDIT DHDLLLLQLSEKATLGP AVRPLPWQRVDRDVAPGTLCDVAGWGIVNHAGRRPDSL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	QHVLLPVLDRATCNRRTHHDGAITERLMCAESNRRDSCCKGDSGGPLVCGGVLEGV VTSGSRVCGNRKKPGIYTRVASYAAWIDSVLA
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

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complement (adipsin); DF; PFD; ADIPSIN;

Gene ID 1675**mRNA Refseq** NM_001928**Protein Refseq** NP_001919**MIM** 134350**UniProt ID** P00746 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA