

Recombinant Human CFD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CFD-3070H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CFD MS Standard C13 and N15-labeled recombinant protein (NP_001919) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	27 kDa
AA Sequence	MHSWERLAVLVLLGAAACAAPPRGRILGGREAEAHARPYMASVQLNGAHLCCGGVL VAEQWVLSAAHCLEDAADGKVQVLLGAHSLSQPEPSKRLYDVLRAVPHPSQPDTI DHDLLLLQLSEKATLGPAVRPLPWQRVDRDVAPGTLCDVAGWGIVNHAGRRPDSL QHVLLPVLDRATCNRRRTHHDGAITERLMCAESNRRDSCCKGDSGGPLVCGGVLEGV

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	VTSGSRVCGNRKKPGIYTRVASYAAWIDSVLATRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	CFD complement factor D [<i>Homo sapiens</i> (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 complement (adipsin); DF; PFD; ADIPSIN;
Gene ID	1675
mRNA Refseq	NM_001928
Protein Refseq	NP_001919

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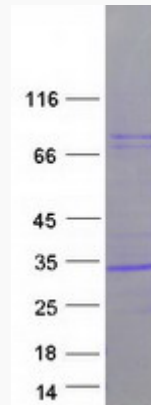
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MIM 134350

UniProt ID P00746

SDS-PAGE



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