

Recombinant Full Length Human CFD Protein, GST-tagged

Cat. No. CFD-2479HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DF full-length ORF (NP_001919.2, 1 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	253 amino acids
Description	<p>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. [provided by RefSeq, Nov 2015]</p>
Molecular Mass	53.4 kDa
AA Sequence	<p>MHSWERLAVLVLLGAAACAAPPRGRILGGREAEAHARPYMASVQLNGAHLCCGGVL VAEQWVLSAAHCLEDAADGKVQVLLGAHSLSQPEPSKRLYDVLRAVPHPDSPDPTI DHDLLLLQLSEKATLGPVAVRPLPWQRVDRDVAPGTLCDVAGWGIVNHAGRRPDSL QHVLLPVLDRATCNRRTHHDGAITERLMCAESNRRDSCCKGDSGGPLVCGGVLEGV</p>

 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

VTSGSRVCGNRKKPGIYTRVASYAAWIDSVLA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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UniProt ID

P00746

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