

Recombinant Human CFD protein, His & GST-tagged

Cat. No. CFD-1858H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFD aa. (Met1~Ala253 (Accession # P00746)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala253
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CFD complement factor D [Homo sapiens (human)]
Official Symbol	CFD
Synonyms	Ftmt; ferritin mitochondrial; MtF; FerH; Fth3; 4930447C24Rik; ferritin, mitochondrial; ferritin H; ferritin heavy chain 3
Gene ID	1675

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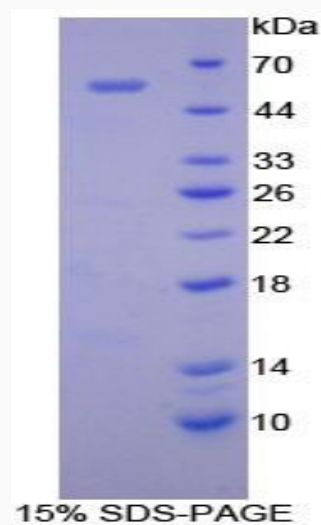
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mRNA Refseq NM_001317335.1

Protein Refseq NP_001304264.1

UniProt ID P00746



SDS-PAGE

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