

Recombinant Mouse Cfd protein, His-tagged

Cat. No. Cfd-1859M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cfd aa. (Met1~Ser259 (Accession # P03953)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Ser259
Description	This gene encodes a serine protease that plays an important role in the alternative pathway of complement activation for pathogen recognition and elimination. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme that in turn cleaves factor B in the complement pathway. This gene is expressed in adipocytes and the mature enzyme is secreted into the bloodstream. Mice lacking the encoded product cannot initiate alternative pathway of complement activation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.3.
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 (adipsin) [Mus musculus (house mouse)]
Official Symbol	Cfd
Synonyms	Ftmt; ferritin mitochondrial
Gene ID	11537
mRNA Refseq	NM_001291915.2
Protein Refseq	NP_001278844.1

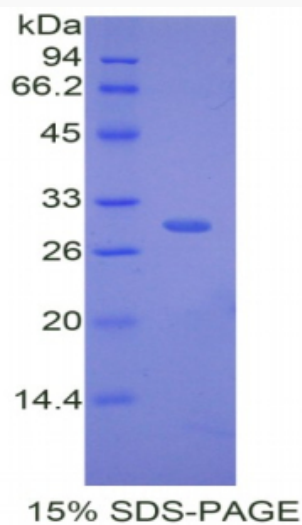
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UniProt ID

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SDS-PAGE

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