

Datasheet for ABIN7274335

Adipsin Protein (AA 26-253) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Adipsin (CFD)
Protein Characteristics:	AA 26-253
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adipsin protein is labelled with Fc Tag.

Product Details

Purpose:	Human Complement Factor D/CFD Protein
Sequence:	Ile26-Ala253
Characteristics:	Recombinant Human Complement Factor D/CFD Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ile26-Ala253.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Complement Factor D, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-Complement Factor D Antibody, hFc Tag with the EC50 of 42.5ng/ml determined by ELISA. See testing image for detail.

Target Details

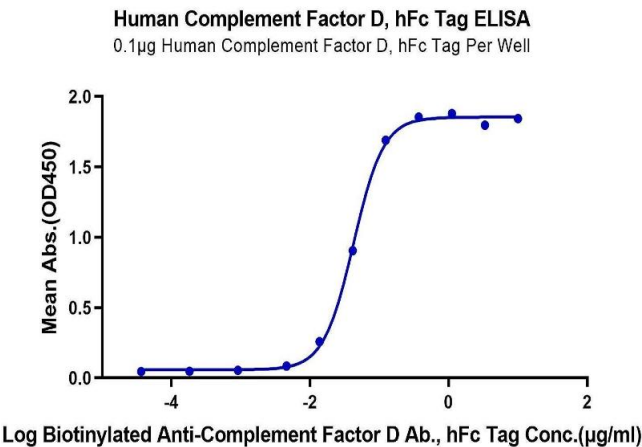
Target:	Adipsin (CFD)
Alternative Name:	Complement Factor D (CFD Products)
Background:	Complement factor D is a serine protease essential for the activation of the alternative pathway and is expressed in the kidney, adipocytes, and macrophages. Factor D is found at relatively high levels in glomeruli suggesting that this component of the complement cascade could influence renal pathophysiology. Complement factor D or alternative pathway activation is needed to prevent spontaneous accumulation of C3 and IgM deposits within the mesangium.
Molecular Weight:	51.2 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only
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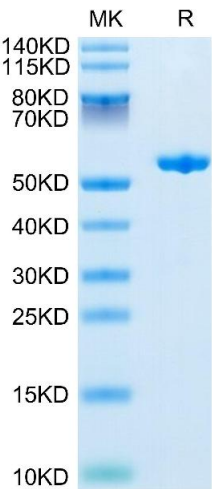
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



ELISA

Image 1. Immobilized Human Complement Factor D, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-Complement Factor D Antibody, hFc Tag with the EC50 of 42.5 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human Complement Factor D on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .