

Datasheet for ABIN7597441

Adipsin Protein (AA 26-253) (His tag)



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Overview

Quantity:	10 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 His tag.

Product Details

Purpose:	Recombinant human CFD Protein with C-terminal 10xHis tag
Sequence:	CFD(Ile26-Ala253) 10xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Adipsin (CFD)
Alternative Name:	CFD (CFD Products)
Background:	<p>DF, ADN, PFD, ADIPSIN</p> <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</p>

Target Details

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]

Molecular Weight: predicted molecular mass of 25.8 kDa after removal of the signal peptide. The apparent molecular mass of CFD-His is 25-35 kDa due to glycosylation.

UniProt: [P00746](#)

Pathways: [Complement System](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months