Datasheet for ABIN1692413

Resistin Protein (RETN) (AA 19-108) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	Resistin (RETN)
Protein Characteristics:	AA 19-108
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Resistin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Resistin/RETN/ADSF (C-6His)
Sequence:	KTLCSMEEAI NERIQEVAGS LIFRAISSIG LECQSVTSRG DLATCPRGFA VTGCTCGSAC GSWDVRAETT CHCQCAGMDW TGARCCRVQP LEHHHHHH
Characteristics:	Recombinant Human Resistin/RETN is produced with our E. coli expression system. The target protein is expressed with sequence (Lys19-Pro108) of Human RETN fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Resistin (RETN)

Target Details

Alternative Name:	RETN (RETN Products)
Sub Type:	Fusionprotein
Background:	Resistin known as adipose tissue-specific secretory factor (ADSF) or C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein (XCP1) that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. The length of the resistin pre-peptide in human is 108 amino acid residues and in the mouse and rat it is 114 aa, the molecular weight is ~12.5 kDa. Resistin is a cytokine whose physiologic role has been the subject of much controversy regarding its involvement with obesity and type II diabetes mellitus (T2DM). Resistin has been shown to cause \high levels of 'bad' cholesterol (low-density lipoprotein or LDL), increasing the risk of heart disease, resistin increases the production of LDL in human liver cells and also degrades LDL receptors in the liver. Potentially links obesity to diabetes." Alternative Names: Resistin, Adipose tissue-specific secretory factor, Cysteine-rich secreted protein FIZZ3, C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein, Cysteine-rich secreted protein A12-alpha-like 2, FIZZ3, HXCP1, RSTN, RETN
Molecular Weight:	10.6 kDa
UniProt:	Q9HD89
Pathways:	Feeding Behaviour, Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Acetic acid, pH 3.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Handling

	Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	5 months

