

Recombinant Human Resistin Protein (His Tag)

Catalog No. PKSH033313

Note: Centrifuge before opening to ensure complete recovery of vial contents.

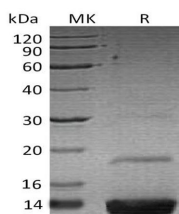
Description

Synonyms	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;ADSF;FIZZ3;RETN1;XCP1
Species	Human
Expression Host	E.coli
Sequence	Lys19-Pro108
Accession	Q9HD89
Calculated Molecular Weight	10.6 kDa
Observed molecular weight	10-14 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM HAc, pH 3.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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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.

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