Active Recombinant Human Resistin

Cat. No. RETN-305H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Resistin, a product of the RSTN gene, is a peptide hormone belonging to the class of cysteine-rich secreted proteins which is termed the RELM family, and is also described as ADSF (Adipose Tissue- Specific Secretory Factor) and FIZZ3 (Found in Inflammatory Zone).
Species	Human
Source	E.coli
Description	Resistin also known as adipose tissue-specific secretory factor (ADSF) or C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein (XCP1) is a cysteine-rich protein that in humans is encoded by the RETN gene.
Form	Sterile filtered and lyophilized from 0.1% TFA.
Purity	Purity Greater than 95% as determined by: Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
Bio-activity	Determined by its ability to stimulate lipolysis in human adipocytes.
Physical Appearance	Sterile Filtered white lyophilized (freeze-dried) powder.
Solubility	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a

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	concentration of 0.1 mgμs/ml, which can be further diluted into other aqueous solutions.
Purity Greater than 95% as determined by	Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
Protein Content determined by	UV spectroscopy at 280 nm. Analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.
Endotoxin Level	Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.
Storage	Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

GENE INFORMATION

Gene Name	RETN resistin [Homo sapiens]
Official Symbol	RETN
Synonyms	RETN; Cysteine-rich secreted protein; FIZZ3; Adipose tissue-specific secretory factor (ADSF); C/EBP-epsilon; regulated myeloid-sepcific secreted cysteine-rich protein; Cysteine-rich secreted protein A12-alpha-like-2; ADSF; MGC126603; MGC126609; RETN1; XCP1; resistin; MGC126609; C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 1; Adipose tissue-specific secretory factor; C/EBP-epsilon regulated myeloid-specific secreted; cysteine-rich protein precursor 1; cysteine-rich protein; Cysteine-rich secreted protein FIZZ3; found in inflammatory zone 3
Gene ID	56729

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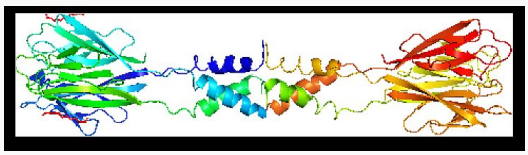
mRNA Refseq	NM_020415
Protein Refseq	NP_065148
MIM	605565
UniProt ID	Q9HD89
Chromosome Location	19p13.2
Function	hormone activity
Crystallographicstructu of a hexamer of mouse resistin (rainbow colored, N-terminus = blue,C-terminus = red).	

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