

Resistin Active Protein | RETN active protein

Recombinant Human Resistin

CATALOG #
AAA38215

HOST
E Coli

PRODUCT SYNONYMS

Resistin; Recombinant Human Resistin; Resistin Human; Resistin Human Recombinant; Cysteine-rich secreted protein FIZZ3; Adipose tissue-specific secretory factor; ADSF; C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; Cysteine-rich secreted protein A12-alpha-like 2; RSTN; XCP1; RETN1; MGC126603; MGC126609; RETN active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98% as determined by SDS-PAGE.
Form/Format	Recombinant Human Resistin was lyophilized from a concentrated (1mg/ml) solution containing 0.03% NaHCO ₃ .
Sequence	ASSKTLCSME EAINERIQEV AGSLIFRAIS SIGLECQSVT SRGDLATCPR GFAVTGCTCG SACGSWDVRA ETTCHCQCAG MDWTGARCCR VQP
Sequence Length	108
Solubility	Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.
Biological Activity	The biological activity was evidenced by the Resistin ability to prevent insulin-stimulated uptake of deoxy glucose in several cell lines at 10 ng/ml concentration corresponding to a Specific Activity of 100,000IU/mg.
Preparation and Storage	Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for RETN active protein	Description: 9.9 kDa protein containing 93 amino acid residues. Introduction: 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). Human resistin contains 108 amino acids as a prepeptide, and its hydrophobic signal peptide is cleaved before its secretion. Resistin circulates in human blood as a dimeric protein consisting of two 92 amino acid polypeptides, which are disulfide-linked via Cys26. Resistin may be an important link between obesity and insulin resistance. Mouse resistin, specifically produced and secreted by adipocyte, acts on skeletal muscle myocytes, hepatocytes and adipocytes themselves so that it reduces their sensitivity to insulin. Stepan et al. have suggested that resistin suppresses the ability of insulin to stimulate glucose uptake. They have also suggested that resistin is present at elevated levels in blood of obese mice, and is down regulated by fasting and antidiabetic drugs. Way et al., on the other hand, have found that resistin expression is severely suppressed in obesity and is stimulated by several antidiabetic drugs. Other studies have shown that mouse resistin increases during the differentiation of adipocytes, but it also seems to inhibit adipogenesis. In contrast, the human adipogenic differentiation is likely to be associated with a down regulation of resistin gene expression.
Product Categories/Family for RETN active protein	Cytokines and Growth Factors; Cytokines; Resistin

NCBI AND UNIPROT INFORMATION

NCBI GI #	301129180
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NCBI GeneID	56729
NCBI Accession #	NP_001180303.1
NCBI GenBank Nucleotide #	NM_001193374.1
UniProt Accession #	Q9HD89 ; Q540D9 ; Q76B53 ; D6W649
Molecular Weight	8,686 Da
NCBI Official Full Name	resistin
NCBI Official Synonym Full Names	resistin
NCBI Official Symbol	RETN
NCBI Official Synonym Symbols	ADSF; RSTN; XCP1; FIZZ3; RETN1
NCBI Protein Information	resistin; 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; cysteine-rich secreted protein A12-alpha-like 2; cysteine-rich secreted protein FIZZ3; found in inflammatory zone 3; resistin delta2
UniProt Protein Name	Resistin
UniProt Gene Name	RETN
UniProt Synonym Gene Names	FIZZ3; HXCP1; RSTN; ADSF
UniProt Entry Name	RETN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/resistin/38215>