



*Recombinant Human Resistin*  
(Resistin Dimer)

*Catalog Number: 100-107*  
*Accession Number: Q9HD89*

*Specifications and Uses:*

**Alternate Names:** FIZZ3, ADSF

**Description:**

Resistin 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). Resistin is produced by adipocytes and may be an important link between obesity and insulin resistance. Recombinant human Resistin is a disulfide-linked homodimer, containing two 93 amino acid chains, with a total molecular weight of 20 kDa.

**Source:** *E.coli*

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation and Stability:**

Recombinant human Resistin is lyophilized from 0.1% TFA.

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**

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 concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity (typically ≥ 95%) determined by:**

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

**Endotoxin Level:**

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

**Biological Activity:**

The activity is determined by its ability to activate ERK1/2 in SH-SY5Y cells.

**AA Sequence:**

MSSKTLCSME EAINERIQEV AGLIFRAIS SIGLEQSVT SRGDLATCPR GFAVTGCTCG SACGSWDVRA  
ETTCHCQCAG MDWTGARCCR VQP

**THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!**

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