

Datasheet for ABIN6700460

**Resistin Dimer Protein****2** Images[Go to Product page](#)

## Overview

Quantity:	5 µg
Target:	Resistin Dimer
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Purpose:	Human Resistin Dimer Recombinant Protein
Purification:	Resistin Dimer purity was determined to be greater than 95% as determined by HPLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically $\leq 1$ EU/µg protein.
Biological Activity Comment:	The activity is determined by its ability to activate ERK1/2 in SH-SY5Y cells.

## Target Details

Target:	Resistin Dimer
Background:	Synonyms: Adipose tissue-specific secretory factor (ADSF), C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein, Cysteine-rich secreted protein A12-alpha-like 2, Cysteine-rich secreted protein FIZZ3, FIZZ3 Background: Resistin is a peptide hormone belonging to the class of cysteine-rich secreted

## Target Details

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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.

UniProt: [Q9HD89](#)

## Application Details

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Application Notes: Other: User Optimized  
Application\_Note: Resistin Dimer Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Resistin Dimer in immunological assays.

Comment: Suggested\_Applications: Cellular Assay  
Other\_Performance\_Data:

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 5 µL (5-50 µL)

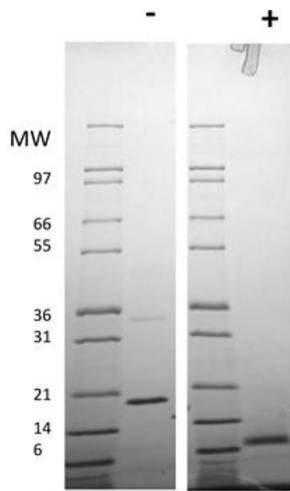
Buffer: Buffer: 0.1 % Trifluoroacetic acid  
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

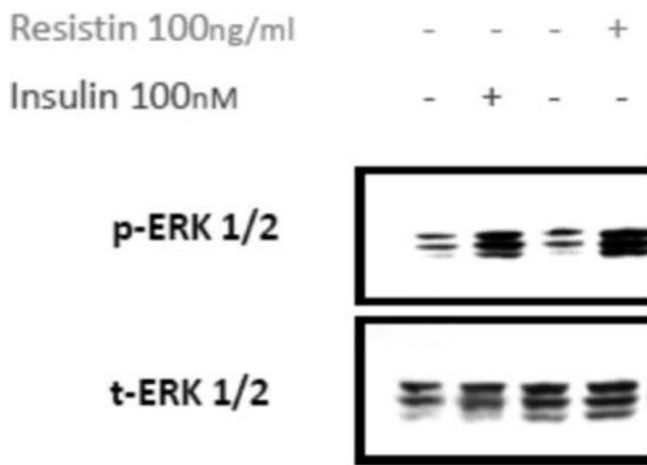
Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



### SDS-PAGE

**Image 1.** SDS-PAGE of Human Resistin Dimer Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human Resistin in non-reducing conditions. Lane 3: Molecular weight marker. Lane 4: 1 µg Human Resistin in reducing conditions (+). Human Resistin is a homodimer with a predicted total MW of 19.7 kDa.



### SDS-PAGE

**Image 2.** SDS-PAGE of Human Resistin Dimer Recombinant Protein Bioactivity of Human Resistin Dimer Recombinant Protein. 100ng/mL of SBT recombinant Human Resistin or 100 nM Insulin (+ control) was added to differentiated SH-SY5Y cells. After 10 minutes MAPK activity was measured by western blotting whole cell lysates for P-Erk and Total Erk. The figure shows that Human Resistin is able to active MAPK signaling at 100ng/mL.