

## Datasheet for 010-001-W19-0005

**rMouse Resistin Dimer Protein****Overview**

<b>Description:</b>	Mouse Resistin Dimer Recombinant Protein - 010-001-W19-0005
<b>Item No.:</b>	010-001-W19-0005
<b>Size:</b>	5 µg
<b>Applications:</b>	SDS-PAGE, Cellular Assay
<b>Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli

**Product Details**

<b>Background:</b>	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). Mouse resistin is produced by adipocytes and may be an important link between obesity and insulin resistance. Recombinant mouse resistin is a non-glycosylated, disulfide-linked homodimer, containing two identical 95 amino acid chains, with a total molecular weight of 20.6 kDa.
<b>Synonyms:</b>	FIZZ3, ADSF
<b>Species of Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein
<b>Low Endotoxin:</b>	Yes

**Target Details**

<b>Gene Name:</b>	Retn
<b>Purity/Specificity:</b>	Resistin Dimer purity was determined to be greater than 97% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q5BMX4</a></li></ul>

## Application Details

<b>Tested Applications:</b>	SDS-PAGE
<b>Suggested Applications:</b>	Cellular Assay (Based on references)
<b>Application Note:</b>	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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>Other:</b>	Endotoxin Level: Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein. Biologic Activity: The activity is determined by its dose dependent ability to induce IL-8 production by human PBMCs and is typically less than 500 ng/mL.

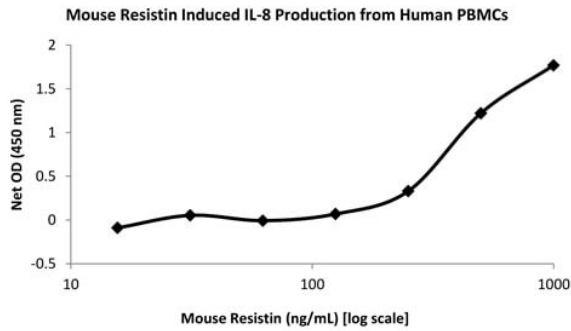
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Buffer:</b>	0.1% Trifluoroacetic acid
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	5 $\mu$ l (5-50 $\mu$ l)
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

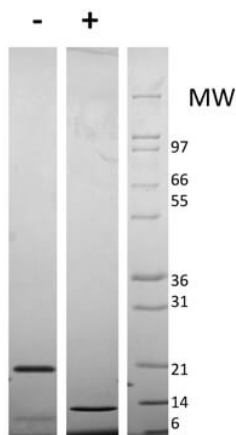
<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For 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.
<b>Expiration:</b>	Expiration date is six (6) months from date of receipt.

## Images



#### SDS-PAGE

Bioactivity of Mouse Resistin Dimer Recombinant Protein. Mouse Resistin (starting at 1,000 ng/mL) was added to human PBMCs 24 hours after isolation. After 48 hours production of IL-8 was measured by ELISA. The ED50 of Mouse Resistin is 400-600 ng/mL. There is no typically expected range for this product.



#### SDS-PAGE

SDS-PAGE of Mouse Resistin Dimer Recombinant Protein. Lane 1: 1 µg Mouse Resistin in non-reducing conditions (-). Lane 2: 1 µg Mouse Resistin in reducing conditions (+). Lane 3: Molecular weight marker. Mouse Resistin is a homodimer with a predicted total MW of 20.6 kDa.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.