Datasheet for ABIN6700466

# Resistin Dimer Protein

2 Images

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## Overview

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| Quantity: | 100 µg |
| Target: | Resistin Dimer |
| Origin: | Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Purpose: | Mouse Resistin Dimer Recombinant Protein |
| Purification: | 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. |
| Purity: | 97,00% |
| Endotoxin Level: | Measured by LAL is typically ≤ 1 EU/µg protein. |
| Biological Activity Comment: | 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. |

## Target Details

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| Target: | Resistin Dimer |
| Background: | Synonyms: FIZZ3, ADSF<br>Background: 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- |

## Target Details

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| | 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. |
| UniProt: | Q5BMX4 |

## Application Details

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| Application Notes: | Other: User Optimized<br>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<br>Other_Performance_Data: |
| Restrictions: | For Research Use only |

## Handling

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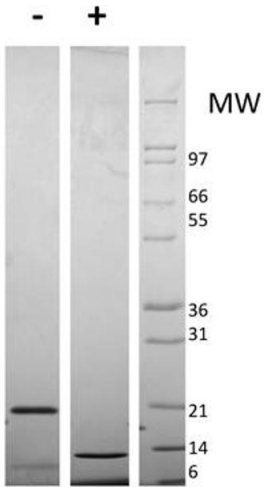
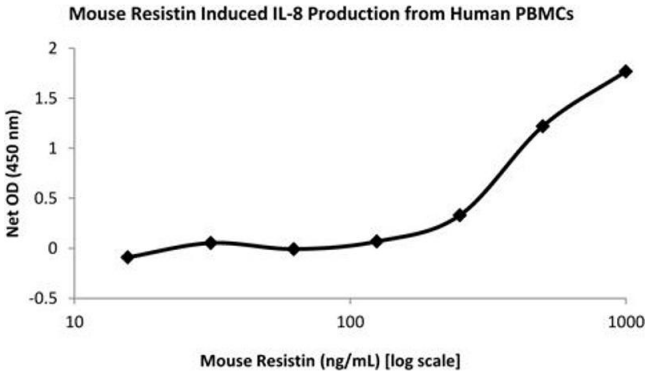
| Format: | Lyophilized |
| Reconstitution: | Reconstitution_Buffer: Restore with deionized water (or equivalent)<br>Reconstitution_Volume: 100 µL |
| Buffer: | Buffer: 0.1 % Trifluoroacetic acid<br>Stabilizer: None |
| Preservative: | Without preservative |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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 Mouse Resistin Dimer Recombinant Protein 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.




## SDS-PAGE

**Image 2.** SDS-PAGE of Mouse Resistin Dimer Recombinant Protein 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.