

For Research Use Only

Recombinant Mouse Resistin protein (rFc Tag)



Catalog Number: Eg3391

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse Resistin protein Ser21-Ser114 (Accession# Q99P87) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

57264

Accession:

Q99P87

Predicted Molecular Mass:

37.4 kDa

SDS-PAGE:

36-42 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

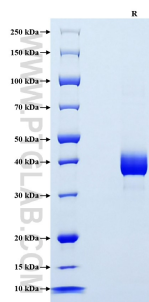
Resistin, a cysteine-rich hormone secreted primarily by rodent fat cells, was postulated to be implicated in obesity, insulin resistance and diabetes. Resistin is also secreted by macrophages in humans, promoting inflammation (PMID: 20148674). Resistin modulates the synthesis and secretion of key pro-inflammatory cytokines such as TNF α , IL-6 and IL12 in macrophages via a nuclear factor- κ B (NF- κ B)-dependent pathway. Given the connection between inflammation and cancer, resistin was soon considered for its role in cancer. There were observations supporting its possible use as a diagnostic marker, expression levels of which also seemed to differ in patients with varying clinical stages. Resistin has been also linked to other pathologies such as atherosclerosis.

References

1. Li, He et al. (2022) Cells.11(19):3001.
2. Reilly, Muredach P et al. (2005) Circulation.111(7):932-939.

Synonyms

Selected Validation Data



Purity of Recombinant Mouse Resistin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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