

Resistin Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	resistin;Xcp4;ADSF;Fizz3;Rstn
Protein Construction:	Ser21-Ser114
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q99P87
Molecular Weight:	37.5 kDa (Predicted); 40-50 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Activity testing is not tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Resistin (RETN) is a hormone secreted by adipocytes, which plays an important role in glucose and lipid metabolism. The RETN gene is expressed in goat various analyzed tissues, and the results showed that the expression of RETN gene in lung tissue was higher than that in other analyzed tissues of goat ($p < .01$). Moreover, the expression level of RETN gene in the goat's intramuscular preadipocytes decreased first and then increased, and reached the highest on the fifth day, which was significantly higher than that of undifferentiated intramuscular preadipocytes.

Reference

Verma S,et al.(2003) Resistin promotes endothelial cell activation: further evidence of adipokine-endothelial interaction. Circulation. 108(6):736-40.

Reilly MP,et al.(2005) Resistin is an inflammatory marker of atherosclerosis in humans. Circulation. 111(7):932-9.

Steppan CM,et al.(2002) Resistin and obesity-associated insulin resistance. Trends Endocrinol Metab. 13(1):18-23.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481