

RP01108

Leader in Biomolecular Solutions for Life Science



Recombinant Mouse Adiponectin/AdipoQ Protein

Catalog No.: RP01108

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	11450	Q60994

Tags

C-6×His

Synonyms

Adiponectin

Background

Adiponectin is a secreted protein. It is synthesized exclusively by adipocytes and secreted into plasma. Adiponectin is an important adipokine that is involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Adiponectin stimulates AMPK phosphorylation and activates in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid oxidation. Adiponectin also antagonizes TNF- α by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. It inhibits endothelial NF- κ B signaling through a cAMP-dependent pathway. Adiponectin may play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex: LMW, MMW or HMW.

Product Information

Source	Purification
Mammalian	> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Basic Information

Description

Recombinant Mouse Adiponectin/AdipoQ Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Glu18-Asn247) of mouse Adiponectin/AdipoQ (Accession #Q60994) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

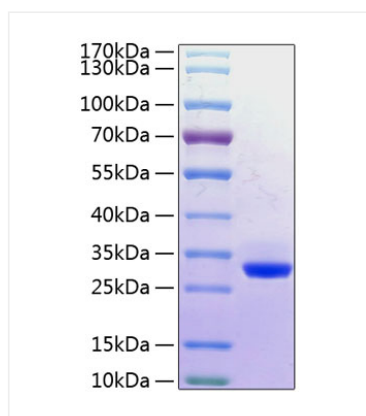
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse Adiponectin/AdipoQ
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 30 kDa.