

Cynomolgus Adiponectin/Acrp30 Protein

Cat. No. ADI-CM101

Description

Source	Recombinant Cynomolgus Adiponectin/Acrp30 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln48-Asn274.
Accession	A0A2K5X7X6
Molecular Weight	The protein has a predicted MW of 25.76 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Adiponectin, also known as Acrp30, is an adipocyte-derived protein with wide ranging paracrine and endocrine effects on metabolism and inflammation. Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects.

Assay Data

Tris-Bis PAGE



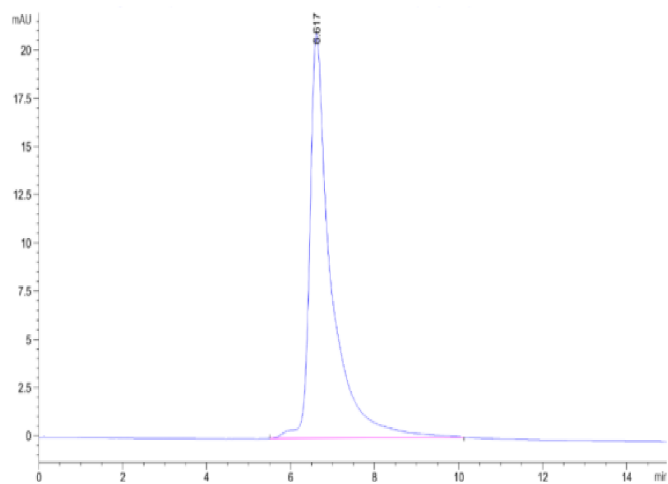
Cynomolgus Adiponectin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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Assay Data



The purity of Cynomolgus Adiponectin is greater than 95% as determined by SEC-HPLC.