

Datasheet for ABIN7273797

ADIPOQ Protein (AA 19-244) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ADIPOQ
Protein Characteristics:	AA 19-244
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADIPOQ protein is labelled with His tag.

Product Details

Purpose:	Human Adiponectin/Acrp30 Protein
Sequence:	Glu19-Asn244
Characteristics:	Recombinant Human Adiponectin/Acrp30 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu19-Asn244.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	ADIPOQ
Alternative Name:	Adiponectin (ADIPOQ Products)

Target Details

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- α by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects.
Molecular Weight:	25.6 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
UniProt:	Q15848

Application Details

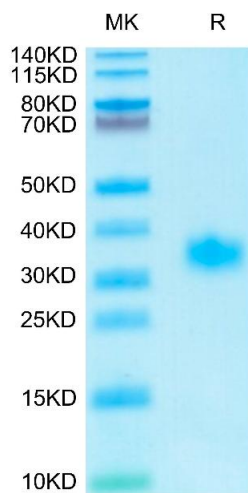
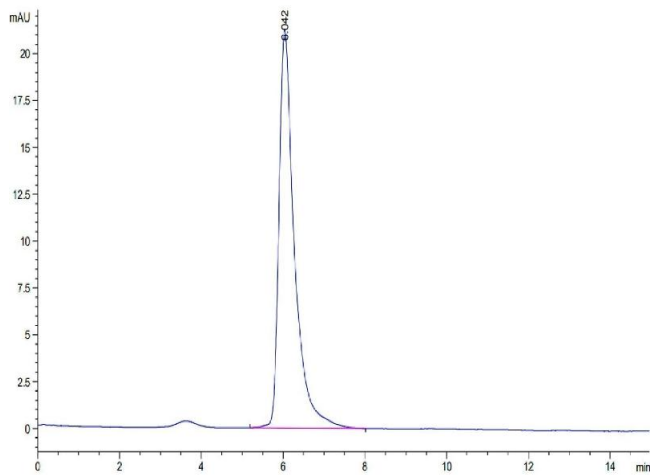
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human Adiponectin is greater than 94 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human Adiponectin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .