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Datasheet for ABIN7273800

## ADIPOQ Protein (AA 18-247) (Fc Tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	ADIPOQ
Protein Characteristics:	AA 18-247
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADIPOQ protein is labelled with Fc Tag.

#### Product Details

Purpose:	Mouse Adiponectin/Acrp30 Protein
Sequence:	Glu18-Asn247
Characteristics:	Recombinant Mouse Adiponectin/Acrp30 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Glu18-Asn247.
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 ( <a href="#">ADIPOQ Products</a> )

## Target Details

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**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.

**Molecular Weight:** 51.3 kDa. Due to glycosylation, the protein migrates to 52-70 kDa based on Tris-Bis PAGE result.

**UniProt:** [Q60994](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

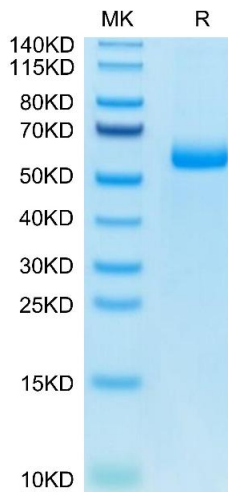
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C,-80 °C

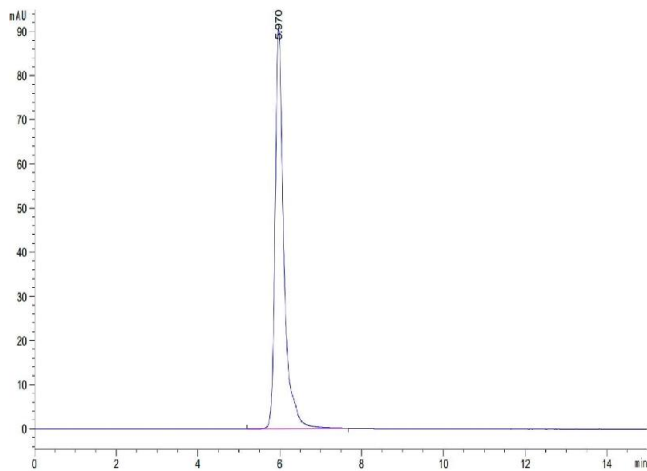
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Mouse Adiponectin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse Adiponectin is greater than 94 % as determined by SEC-HPLC.