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Datasheet for ABIN7454067  
**ADIPOQ Protein (AA 48-274) (His tag)**

### Overview

Quantity:	100 µg
Target:	ADIPOQ
Protein Characteristics:	AA 48-274
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADIPOQ protein is labelled with His tag.

### Product Details

Purpose:	Cynomolgus Adiponectin/Acrp30 Protein
Sequence:	Gln48-Asn274
Characteristics:	Recombinant Cynomolgus Adiponectin/Acrp30 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln48-Asn274.
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:** 25.76 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.

**UniProt:** [A0A2K5X7X6](#)

## 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