

# Mouse Adiponectin/Acrp30 Protein

Cat. No. ADI-MM101

## Description

<b>Source</b>	Recombinant Mouse Adiponectin/Acrp30 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu18-Asn247.
<b>Accession</b>	Q60994
<b>Molecular Weight</b>	The protein has a predicted MW of 25.9 kDa. Due to glycosylation, the protein migrates to 32-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

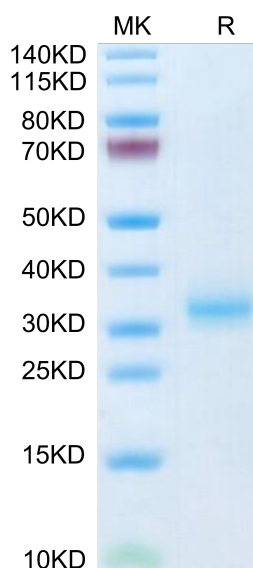
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

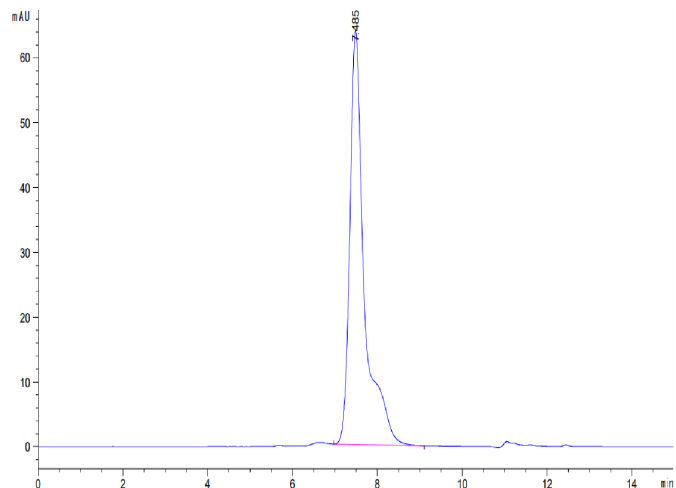
### Bis-Tris PAGE



Mouse Adiponectin/Acrp30 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse Adiponectin/Acrp30 is greater than 95% as determined by SEC-HPLC.