

# Recombinant Mouse Adiponectin protein (His Tag)

Catalog Number: Eg0262

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

CHO-derived Mouse Adiponectin protein Glu18-Asn247 (Accession# Q60994) with a His tag at the C-terminus.

**GeneID:**

11450

**Accession:**

Q60994

**Predicted Molecular Mass:**

28.7 kDa

**SDS-PAGE:**

30-34 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Adiponectin, also known as Acrp30, AdipoQ, and GBP28, is an adipocyte-secreted protein that circulates in high concentrations in the serum and acts to increase insulin sensitivity. Adiponectin modulates a number of metabolic processes, including glucose regulation and fatty acid oxidation. The serum concentration of adiponectin decreases in obese patients, opposite to other adipocytokines. In recent studies, serum adiponectin level progressively decreased in patients according to the severity of obesity, insulin resistance, diabetes mellitus and cardiovascular diseases. Low serum adiponectin level may be a predictive factor for type 2 diabetes mellitus (T2DM) and other cardiovascular diseases.

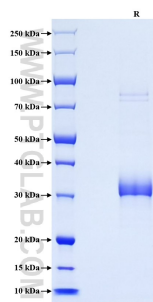
## References

1. Wang ZV. et al. (2016) J Mol Cell Biol. 8(2):93-100.
2. Liu M. et al. (2014) Best Pract Res Clin Endocrinol Metab. 28(1):25-31.
3. Díez JJ. et al. (2003) Eur J Endocrinol. 148(3):293-300.
4. Yamauchi T. et al. (2003) Nature. 423(6941):762-9.

## Synonyms

Adipoq, Acrp30, adipo, Adiponectin, apM1

## Selected Validation Data



Purity of Recombinant Mouse Adiponectin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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