antibodies

# Datasheet for ABIN7273799 ADIPOQ Protein (AA 18-247) (His 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 His tag. |

### Product Details

| Purpose:         | Mouse Adiponectin/Acrp30 Protein   |
|------------------|--|
| Sequence:        | Glu18-Asn247   |
| Characteristics: | Recombinant Mouse Adiponectin/Acrp30 Protein is expressed from HEK293 with His 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 $\mu$ g by the LAL method.   |

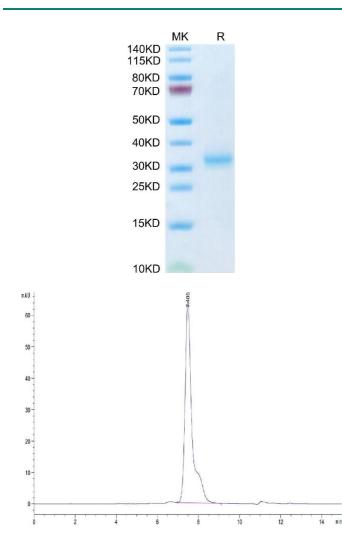
### Target Details

| Target:           | ADIPOQ                        |
|-------------------|-------------------------------|
| Alternative Name: | Adiponectin (ADIPOQ Products) |

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| Target D | 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-     |
|                     | alpha by negatively regulating its expression in various tissues such as liver and macrophages,    |
|                     | and also by counteracting its effects.   |
| Molecular Weight:   | 25.9 kDa. Due to glycosylation, the protein migrates to 32-35 kDa based on Tris-Bis PAGE result    |
| UniProt:            | Q60994   |
|                     |  |
| Application Details |  |
| Restrictions:       | For Research Use only  |
|                     |  |
| Handling            |  |
| Format:             | Lyophilized  |
| Reconstitution:     | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/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/Acrp30 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/Acrp30 is greater than 95 % as determined by SEC-HPLC.

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