

## ADIPOQ /Adiponectin /ACRP30, Human CellExp™, human recombinant

|                         |  |       |
|-------------------------|--|-------|
| <b>CATALOG #:</b>       | 7232-10  | 10 µg |
| <b>ALTERNATE NAMES:</b> | ADIPOQ, Adiponectin, ACDC, ACRP30, APM1, GBP28   |       |
| <b>SOURCE:</b>          | HEK 293 cells (Glu 19 - Asn 244)   |       |
| <b>PURITY:</b>          | ≥ 95% by SDS-PAGE gel  |       |
| <b>MOL. WEIGHT:</b>     | The protein is fused with 6xHis tag at the C-terminus, has a calculated MW of 25.4 kDa |       |
| <b>ENDOTOXIN LEVEL:</b> | <1 EU/µg by LAL method   |       |
| <b>FORM:</b>            | Lyophilized  |       |

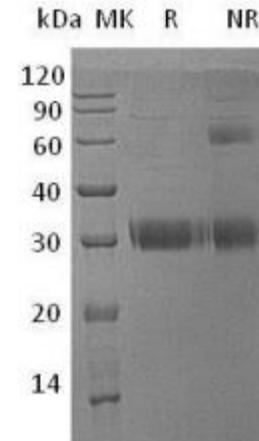
**FORMULATION:** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH7.2.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in ddH<sub>2</sub>O, pH 7.4 to a concentration of 100 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 7 days. For extended storage, it is recommended to store at -20°C in smaller aliquots.

**DESCRIPTION:** Adiponectin is a secreted protein. It is synthesized exclusively by adipocytes and secreted into plasma. Adiponectin is an important adipokine that is involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Adiponectin Stimulates AMPK phosphorylation and activates in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Adiponectin also antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. It inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. Adiponectin may play a role in cell growth, angiogenesis and

tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex: LMW, MMW or HMW.



Human recombinant ADIPOQ/Adiponectin /ACRP30

### RELATED PRODUCTS:

- Adiponectin, human recombinant (**Cat. No. 4901-25, -100, -1000**)
- Adiponectin, murine recombinant (**Cat. No. 4902-25, -100, -1000**)
- Adiponectin, rat recombinant (**Cat. No. 4903-25, -100, -1000**)
- gAcrp30/Adiponectin, human recombinant (**Cat. No. 4591-25, -100, -1000**)
- gAcrp30/Adiponectin, murine recombinant (**Cat. No. 4592-25, -100, -1000**)
- gAcrp30/Adiponectin, rat recombinant (**Cat. No. 4593-25, -100, -1000**)
- Adiponectin Antibody (**Cat. No. 5901-50, -250**)
- Adiponectin Antibody (**Cat. No. 5902-50, -250**)
- Adiponectin Antibody (**Cat. No. 5903-50, -250**)
- Adiponectin Antibody (Clone MAD1-1147) (**Cat. No. 5900-50**)
- Adiponectin (human) Elisa Assay Kit (**Cat. No. K4901-100**)
- Adiponectin (mouse) Elisa Assay Kit (**Cat. No. K4902-100**)
- Adiponectin (rat) Elisa Assay Kit (**Cat. No. K4903-100**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**