



## Adiponectin, globular, His Tag, human recombinant (rHuAcrp30 Glob-His)

**Catalog No:** 94910  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Acrp30, AdipoQ, GBP-28, APM-1, ACDC

### Background

Adiponectin is a protein exclusively secreted from adipose tissue. In the circulation, adiponectin is present as three different oligomeric complexes, including the high molecular weight (HMW), the middle molecular weight (MMW, also called hexamer) and low molecular weight (LMW, also called trimer) forms. Different oligomeric complex of adiponectin activates different signaling pathways and exerts distinct functions.

### Description

Acrp30 human has a total of 171 amino acids. N-terminal amino acids are His Tag and the protease cleavage site (31AA). The AA sequence of Acrp30 human is homologous to the 105-244 amino acid sequence of the human full-length Adiponectin.

### Formulation

Acrp30 human is a filtered powder, lyophilized from 0.6 mg/ml in PBS buffer.

### Solubility

Add 0.2 ml of deionized water and let the lyophilized pellet of Acrp30 dissolve completely.

### Stability

Store lyophilized Acrp30 at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Acrp30 can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized Acrp30 Human remains stable for 24 months when stored at -20°C.

### Purity

Greater than 95% as determined by HPLC and SDS PAGE.

### Amino Acid Sequence

MSWVHHHHHH NWNIPPTTQDT TQDLWFEGAM GGEGAYVYRS FSVGLETYVT IPNMPIRF<sup>TK</sup> IFYNQQNH<sup>YD</sup> GSTGKFHCNI  
PGLYYFAYHI TVYMKDVKVS LFKKDKAMLF TYDQYQENNV DQASGSVLLH EVGDQVWLQV YGEGERNGLY ADNDNDSTFT  
GFLLYHDTN

### Applications

ELISA\*WB\*cell culture\*animal studies

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

**CONTACT US TODAY**

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51