



Product Datasheet

Product Name	Globular Adiponectin Human Recombinant, His Tag
Cata No	CB500179
Source	<i>Escherichia Coli</i> .
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Description

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.

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

Purity

Purity of Acrp30 Human is greater than 95% as determined by HPLC and SDS PAGE.

Formulation

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

Stability

For long term, store lyophilized Acrp30 Human at -20°C. Aliquot the product after reconstitution to **avoid repeated freezing/thawing cycles**.

Reconstituted Acrp30 Human 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.

Sequence

MSWWHHHHHH NWNIPTTQDT TQDLWFEGAM
GGEGAYVYRS FSVGLETYV TIPNMPPIRFT
KIFYNQNHYDGGSTGKFKHCN IPGLYYFAYH
ITVYMKDKVKV SLFKKDKAML FTYDQYQENN
VDQASGSVLL HEVGDQVWLQVYGERNGL
YADNDNDSTF TGFLLYHDTN

(Swiss-prot entry Q15848)

Application

The applications for Acrp30 Human include: ELISA, Western blotting, cell culture and/or animal studies.