
Product Data Sheet

Product Name: gAcrp30 Human, His

Cat. No.: GP20026

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	MSWWHHHHHH NWNIPPTTQDT TQDLWFEGAM GGEGAYVYRS FSVGLETYV TIPNMPPIRFT KIFYNQNHYDYGSTGKFHCN IPGLYYFAYH ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HEVGDQVWLQVYGEGERNGL YADNDNDSTF TGFLLYHDTN.		
Solubility	Add 0.2 ml of deionized water and let the lyophilized pellet of Acrp30 Human dissolve completely.		
Formulation	Acrp30 Human is a filtered powder, lyophilized from 0.6mg/ml in PBS buffer.		

Introduction

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.

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 .

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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 (Swiss-prot entry Q15848).

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