

Globular Adiponectin Human Recombinant, His Tag

Catalogue Number	IY-277
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
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.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	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.
Source	Escherichia Coli.
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 Human dissolve completely.
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.
Purity	Purity of Acrp30 Human is greater than 95% as determined by HPLC and SDS PAGE.
Amino Acid Sequence	MSWWHHHHHH NWNIPPTQDT TQDLWFEGAM GGEGAYVYRS FSVGLETYV TIPNMPPIRFT KIFYNQNNHYDGSTGKFHCN IPGLYYFAYH ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HEVGDQVWLQVYVYGERNGL YADNDNDSTF TGFLLYHDTN
Usage	Products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.