
Product Data Sheet

Product Name: ACRP30 Rat
 Cat. No.: GP20024
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 cell line.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Adipocyte C1q and collagen domain-containing protein; Adipocyte complement-related 30kDa protein; Adipose most abundant gene transcript 1 protein; gelatin-binding protein; Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	GITATEGPGA LVPPPKETCA GWMAGIPGYG GHNGIPGRDG RDGTPGEKGE KGDAGVLGPK GDPGDAGMTG AEGPRGFPGT PGRKGEPEGEA AYMYHSAFSV GLETRVTVPN VPIRFTKIFY NQQNHYDGST GKFHCNIPGL YYFSYHITVY MKDVKVSLFK KDKAVLFTYD QYQEKVDQA SGSMLLHLEV GDQVWLQVYG EGDNNGLYAD NVNDSTFTGF LLYHDTNAAA DYKDDDDK		
Solubility	Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.		
Formulation	Filtered (0.4 μm) and lyophilized in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.		

Introduction

Adiponectin, also referred to as Acrp30, AdipoQ and GBP-28, is a recently discovered 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). The protein belongs to the soluble defense collagen super family; it has a collagen-like domain structurally homologous with collagen VIII and X and complement factor C1q-like globular domain. APM-1 forms homotrimers, which are the building blocks for higher order complexes found circulating in serum.

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

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Stability

Lyophilized ACRP30 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution ACRP30 should be stored at 4°C between 2-7 days and for future use below -18°C .

Background

ACRP30 Rat Recombinant produced in 293 cell line is a polypeptide chain containing 238 amino acids and having a total molecular mass of 25.7 kDa. ACRP30 contains a C-Terminal linker (3 AA residue) and a C-Terminal Flag- tag (8 AA residue).

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