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## Product Data Sheet

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Product Name: Acrp30 Porcine, HEK  
 Cat. No.: GP20023  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK293 (Human Embryonic Kidney cell line).
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	HVDYKDDDDK PAGETTEKPG ALLPMPKGAC AGWMAGIPGH PGHNGTPGRD GRDGVPGKEKG EKGDTGLTGP KGDTGESGVT GVEGPRGFPG IPGRKGEPGE SAYVYRSAFS VGLETRVTVP NMPIRFTKIF YNQQNHVDVT TGKFHCNIPG LYYFSFHITV LKDVKVS LYK DKAVLFTYDQ QDKNVDQASG VLLYLEKGDQ WLQAYGDEEN GUYADNVNDS FTGFLLYHNIE.		
Solubility	Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.		
Formulation	Sterile filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.		

### Introduction

Adiponectin 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.

### Stability

For long term, store lyophilized AdipoQ at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein 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 protein remains stable for 24 months when stored at -20°C .

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

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### Background

The Acrp30 Porcine Recombinant contains a total of 238 amino acids having a molecular Mass of 26kDa. The Porcine Adiponectin is fused to a 13 amino acid long N-terminal FLAG tag.

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