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Adiponectin, porcine recombinant, FLAG Tag (rpAcrp30)

Catalog No: 97311
Lot No: XXXXX
Source: HEK293
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

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.

Description

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

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Sterile filtered and lyophilized from 0.5 mg/ml in 20 mM Tris buffer and 50 mM NaCl pH 7.5.

Solubility

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.

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.

Purity

Greater than 90% as determined by SDS PAGE.

Amino Acid Sequence

HVDYKDDDDK PAGETTEKPG ALLPMPKGAC AGWMAGIPGH PGHNGTPGRD GRDGVPGKEG EKGDTGLTGP KGDTGESGVT
GVEGPRGFPG IPGRKGEPGE SAYVYRSAFS VGLETRVTVP NMPIRFTKIF YNQQNHVDVT TGKFHCNIPG LYYFSFHITV
LKDVKVSPLYK DKAVLFITYDQ QDKNVDQASG VLLYLEKGDQ WLQAYGDEEN GVIADNVNDS FTGFLLYHNI E

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