



Product Datasheet

Product Name	Adiponectin Human Recombinant, HEK
Cata No	CB500336
Source	HEK293 (<i>Human Embryonic Kidney cell line</i>)
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Description

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.

The Acrp30 Human Recombinant is fused with FLAG tag.

Purity

Greater than 98% as determined by HPLC and SDS PAGE.

Formulation

Sterile filtered and lyophilized from 0.5 mg/ml in PBS buffer.

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.

Sequence

ETTTQGPVGL LPLPKGACTG WMAGIPGHPG
HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG
DIGETGVPGA EGPRGFPGIQ GRKGEPGEGA
YVYRSAFSVG LETYVTIPNM PIRFTKIFYN
QQNHYDGSTG KFHCNIPGLY YFAYHIVYMK
DVKVSLFKKD KAMLFTYDQY QENNVQASG
SVLLHLEVGD QVWLQVYGEGERNGLYADND
NDSTFTGFLLYHDTNDYKDDDDK

Applications

ELISA, Western blotting, cell culture and/or animal studies.

Effect of human AdN on scavenger receptor A expression.