

32-1015: Acrp30 HEK Recombinant Protein

Alternative Name : Acrp30,AdipoQ,GBP-28,APM-1,ACDC.

Description

Source : HEK293 (Human Embryonic Kidney cell line). The Acrp30 Human Recombinant produced in HEK293 cells is fused with FLAG tag. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 98% as determined by HPLC and SDS PAGE.
Content :	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 20mM Tris Buffer, 20mM NaCl, pH 7.5.
Storage condition :	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.
Amino Acid :	ETTTQGPVGL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGKGEK GDPGLIGPKG DIGETGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY YFAYHIVMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG SVLLHLEVDG QVWLQVYGE ERNGLYADND NDSTFTGFL YHDTNDYKDDDDK.

Application Note

Add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product not sterile! Please filter the product by an appropriate sterile filter before using it in cell culture. In vitro gluconeogenesis assay in primary hepatocytes was performed, showing the Adiponectin human derived from mammalian cells can inhibit glucose production. The ED50 was ~6 Åµg/ml.