

Adiponectin Human Recombinant, HEK

Item Number	rAP-0290
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
Description	The Acrp30 Human Recombinant produced in HEK293 cells is fused with FLAG tag.
Uniprot Accession Number	Q15848
Amino Acid Sequence	ETTTQGGV LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGE-TGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFH CNIPGLY YFAYHIVYMK DVKVS LFKKD KAMLFTYDQY QENNVDQASG SVLLHLEVG D QWWLQVYGE G ERNGLYADND NDSTFTGFL L YHDTNDYKDDDDK.
Source	HEK293 (Human Embryonic Kidney cell line).
Physical Appearance and Stability	White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Filtered (0.4µm) and lyophilized from 0.5mg/ml in 50mM phosphate Buffer, 75mM NaCl, pH 7.4. Greater than 98% as determined by HPLC and SDS PAGE.
Application	
Solubility	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.
Biological Activity	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 µg/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**