

Adiponectin Human Recombinant, Trimeric form

Item Number	rAP-0284
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
Description	Trimeric form of Adiponectin Human trimeric form was expressed in HEK293 cells. The cysteine 39 was replaced with Alanine (C39A) 9. hAd-C39A can only form a trimer, but not a hexamer or an HMW form.
Uniprot Accession Number	Q15848
Amino Acid Sequence	ETTTQGPGLV LPLPKGAATG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGE-TGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFCNIPGLY YFAYHIVYMK DVKVSFLFKD KAMLFYDQY QENNVDQASG SVLLHLEVG DQWLQVYGE ERNGLYADND NDSTFTGFL YHDTNDYKDD DDK.
Source	HEK293 (Human embryonic kidney cell line).
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized Adiponectin 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.
Formulation and Purity	Filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer, 0.075M NaCl, pH 7.4. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	Add deionized water to a working volume of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Biological Activity	ED50= 3-8.5 µg/ml, as determined by its ability to inhibit proliferation of HASMCs induced by HB EGF.
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**