

Adiponectin Mouse Recombinant, HEK

Item Number	rAP-0291
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
Description	The Acrp30 Mouse Recombinant is fused with FLAG tag having a total Mw of 26kDa.
Uniprot Accession Number	Q60994
Amino Acid Sequence	EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQNHVD GSTGKFYCN I PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK.
Source	HEK293 (Human embryonic kidney cell line).
Physical Appearance and Stability	Store lyophilized APM-1 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 0.5 mg/ml in PBS buffer. Purity of adiponectin mouse recombinant is >98% (HPLC and SDS PAGE analyzed).
Application	
Solubility	It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H ₂ O at 0.5mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Full-length mouse adiponectin activates AMP-activated protein kinase in hepatocyte and activates AMPK in HepG2 human hepatocytes at a concentration of 1000ng/ml corresponding to a Specific Activity of 1000IU/mg. Mouse adiponectin mammalian cell derived in
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**