

Adiponectin Mouse Recombinant, HEK

Catalogue Number	IY-435
Synonyms	Acrcp30, AdipoQ, GBP-28, APM-1, ACDC.
Introduction	Adiponectin is an important negative regulator in hematopoiesis and immune systems. It may be involved in ending inflammatory responses through its inhibitory functions. Inhibits endothelial nf-kappa-b signaling through a camp-dependent pathway. Inhibits tnf-alpha- induced expression of endothelial adhesion molecules. Involved in the control of fat metabolism and insulin sensitivity.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	The Acrcp30 Mouse Recombinant is fused with FLAG tag having a total Mw of 26kDa.
Source	HEK293 (Human embryonic kidney cell line).
Physical Appearance	Filtered White lyophilized (freeze-dried) powder.
Formulation	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in PBS buffer.
Solubility	It is recommended to reconstitute the lyophilized Acrcp30 Mouse in sterile 18M-cm H2O at 0.5mg/ml, which can then be further diluted to other aqueous solutions.
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.
Purity	Purity of adiponectin mouse recombinant is >98% (HPLC and SDS PAGE analyzed).
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 inhibits glucose production as shown by in-vitro gluconeogenesis assay in primary rat hepatocytes.
Amino acid sequence	EDDVTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VNPVPIRFTK IFYNQQNHVD GSTGKFYCN I PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK.
Usage	Products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.