

32-1017: mAcrp30 HEK Recombinant Protein

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

Description

Source : HEK293 (Human embryonic kidney cell line). The Acrp30 Mouse Recombinant is fused with FLAG tag having a total Mw of 26kDa. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by SDS-PAGE.
Content :	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in PBS buffer.
Storage condition :	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.
Amino Acid :	EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTGPE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAAYMYRSA FSVGLETRVT VNPVPIRFTK IFYNQNHVD GSTGKFYCN I PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGI YADNVNDSTF TGFLLYHDTN DYKDDDDK.

Application Note

It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H₂O at 0.5mg/ml, which can then be further diluted to other aqueous solutions. 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.

