Murine Adiponectin (Acrp30), Flag-Tag (glycosylated)

Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	1105.965.002		
10 µg	1105.965.010		
1 mg	1105.965.199		

Please enquire for bulk quantities and other vial sizes.

Description

Recombinant Murine Adiponectin is fused with FLAG tag having a total Mw of 26kDa.

- **Source** HEK
- **Purity** Purity of adiponectin mouse recombinant is > 98 % (HPLC and SDS PAGE analyzed).
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Filtered (0.4µm) and lyophilized from 0.5 mg/ml in PBS buffer*

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.

Reconstitution

It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H_2O at 0.5 mg/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.

Amino Acid Sequence

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EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG
MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD GSTGKFYCNI
PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL
YADNVNDSTF TGFLLYHDTN DYKDDDDK
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Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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