

Human 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	1105.955.002		
10 µg	1105.955.010		
1 mg	1105.955.199		

Please enquire for bulk quantities and other vial sizes

Description

The Acrp30 Human Recombinant produced in HEK293 cells is fused with FLAG tag.

- **Source** HEK
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Filtered (0.4µm) and lyophilized from 0.5mg/ml in 50mM phosphate Buffer, 75mM NaCl, pH 7.4*
- **Physical state** White lyophilized (freeze-dried) powder

Biological Activity

In vitro gluconeogenesis assay in primary hepatocytes was performed, showing the Adiponectin human derived from mammalian cells can inhibit glucose production. The ED₅₀ was 6 µg/ml.

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product not sterile! Please filter the product by an appropriate sterile filter before using it in cell culture.

Stability

For long term, store lyophilized AdipoQ 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. The lyophilized protein remains stable for 24 months when stored at -20°C.

Amino Acid Sequence

ETTTQGPV LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPEKGEK GDPGLIGPKG DIGETGVPGA
 EGPRGFPGIQ GRKGEPGEA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY
 YFAYHIVYMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYGEGERNGLYADND
 NDSTFTGFLLYHDTNDYKDD DDK

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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