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PRODUCT DATA SHEET

Adiponectin HMW-rich Human HEK293, Tag free

Cat. No.: RD172023100-C 1mg

Source: HEK293

Species: Human

Size: 1 mg

Type: Recombinant protein

Other Names:

Adipocyte C1q and collagen domain-containing protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein, ADIPOQ, ACDC, APM1, GBP28

Description:

Total 226 AA, UniProt Q15848 (Glu19 – Asn244). MW (monomer): 24.6 kDa (calculated). It migrates at 884 kDa (multimer).

Amino Acid Sequence:

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ETTTQGPGVL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG
DIGETGVPGA EGPRGFPGIQ GRKGEPGEGA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN
QQNHYDGSTG KFHCNIPGLY YFAYHITVYM KDVKVSLFKK DKAMLFTYDQ YQENNVDQAS
GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN
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Glu 1 to Gln 5 were confirmed by N-terminal sequencing

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/µg

Formulation:

Filtered (0.4 µm) and lyophilized in 20 mM Tris, 50 mM NaCl, pH 7.5 and 1mM CaCl2 at 0.5 mg/mL concentration.

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control:
BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:
Cell culture and/or animal studies, ELISA, Western blotting