

PRODUCT DATA SHEET

Adiponectin HMW-rich Human HEK293, Tag free

Cat. No.: RD172023100-C 1mg

Size: 1 mg

Source: HEK293

Type: Recombinant protein

Species: Human

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:

ETTTQGPVGL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGKEKGEK GDPGLIGPKG
DIGETGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFVSG LETYVTIPNM PIRFTKIFYN
QQNHYDGSTG KFHCNIPGLY YFAYHITVYM KDVKVSLFKK DKAMLFTYDQ YQENNVDQAS
GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN

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

Note:

This product is intended for research use only.