

PRODUCT DATA SHEET

Adiponectin HMW-rich Human HEK293, Tag free

| Cat. No. | Size |
|-------------------|--------|
| RD172023100-C | 0.1 mg |
| RD172023100-C 1mg | 1 mg |

Type: Recombinant protein

Source: HEK293

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). Glu 1 to Gln 5 were confirmed by N-terminal sequencing.

Amino Acid sequence

ETTTQGGPVL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG
DIGETGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN
QQNHYDGSTG KFHCNIPGLY YFAYHITVYM KDVKVSFLFKK DKAMLFTYDQ YQENNVQAS
GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN

Purity

Purity as determined by densitometric image analysis: >90%

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. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

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

Storage/Expiration

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.

Applications

Western blotting, ELISA

Note

This product is intended for research use only

SDS-PAGE Gel

4–20% gradient SDS-PAGE separation Adiponectin HMW-rich Human HEK293, Tag free

1. M.W. marker –14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 2.5µg/lane
3. non-reduced and non-boiled sample, 2.5µg/lane

