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Datasheet for ABIN1046479

ADIPOQ Protein (AA 18-247, full length) (His tag)

1 Image

2 Publications

Overview

Quantity:	100 µg
Target:	ADIPOQ
Protein Characteristics:	AA 18-247, full length
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADIPOQ protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA, Particle-Enhanced Turbidimetric Assay (PETIA)

Product Details

Sequence:	EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYVYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD GSTGKFYCNI PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVG DQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN
Characteristics:	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW,

Product Details

MMW or HMW.

Purity: 95 %

Target Details

Target: ADIPOQ

Alternative Name: Adiponectin ([ADIPOQ Products](#))

Background: Synonyms: 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipocyte-specific protein AdipoQ

Molecular Weight: 29 kD

UniProt: [Q60994](#)

Application Details

Comment: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Restrictions: For Research Use only

Handling

Format: Lyophilized

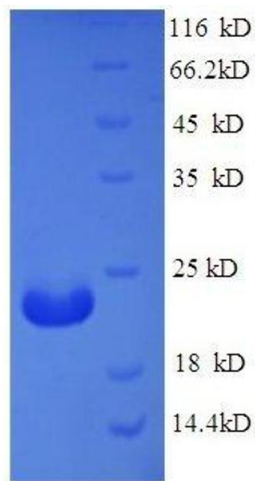
Buffer: 20mM Tris-HCl, 0.5M NaCl, 10% glycerin, PH 8.0, 200 mM Imidazole

Storage: -20 °C

Publications

Product cited in: Ota, Suzuki, Nishikawa, Otsuki, Sugiyama, Irie, Wakamatsu, Hayashi, Sato, Nagai, Kimura, Makita, Sekine, Obayashi, Nishi, Shibahara, Tanaka, Ishii, Yamamoto, Saito, Kawai, Isono, Nakamura, Nagahari et al.: "Complete sequencing and characterization of 21,243 full-length human cDNAs. ..." in: **Nature genetics**, Vol. 36, Issue 1, pp. 40-5, (2003) ([PubMed](#)).

Bell, Fong, Stempien, Wormsted, Caput, Ku, Urdea, Rall, Sanchez-Pescador: "Human epidermal growth factor precursor: cDNA sequence, expression in vitro and gene organization." in: **Nucleic acids research**, Vol. 14, Issue 21, pp. 8427-46, (1987) ([PubMed](#)).



SDS-PAGE

Image 1. Adiponectin, C1Q and Collagen Domain Containing (ADIPOQ) (AA 18-247), (full length) protein (His tag)