

Recombinant Mouse ADIPOQ Protein (His Tag)

Catalog No. PKSM500009

Note: Centrifuge before opening to ensure complete recovery of vial contents.

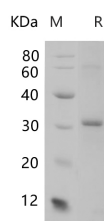
Description

Synonyms	30 kDa adipocyte complement related protein, 30 kDa adipocyte complement-related protein, ACDC, ACRP30, ADIPO, Adipocyte, Adipocyte C1q and collagen domain containing protein, Adipocyte complement related 30 kDa protein, Adipocyte complement related protein of 30 kDa, Adipocyte complement-related 30 kDa protein, adipocyte-specific secretory protein, Adiponectin, Adiponectin precursor, adiponectin, C1Q and collagen domain containing, Adipoq, Adipose most abundant gene transcript 1, Adipose most abundant gene transcript 1 protein, Adipose specific collagen like factor, ADIPQTL1, ADPN, APM 1, apM-1, APM1, C1q and collagen domain-containing protein, GBP28, Gelatin binding protein, Gelatin binding protein 28, Gelatin-binding protein
Species	Mouse
Expression Host	E.coli
Sequence	Glu18-Asn247
Accession	Q60994-1
Calculated Molecular Weight	24.9 kDa
Observed molecular weight	27.22 kDa
Tag	N-His
Bioactivity	Immunogen(E-AB-40301)

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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> 85 % as determined by reducing SDS-PAGE.

Background

Adiponectin (AdipoQ), an adipocyte-derived hormone, is one of the most abundant adipokines in the blood circulation. Adiponectin modulates a number of metabolic processes, including improving insulin sensitivity and anti-inflammatory activity. The role of AdipoQ in reproduction is not yet fully understood, but the expression of AdipoQ in reproductive tissues has been observed in various animals and humans, including chicken testis, bovine ovary, and human placenta. Adiponectin exerts its effects by activating a range of different signaling molecules via binding to two transmembrane AdipoQ receptors, AdipoR1 and AdipoR2. AdipoR1 is expressed primarily in the skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. AdipoQ may play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors.