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Datasheet for ABIN7505375
ADIPOQ Protein (AA 18-247) (His tag)

Overview

Quantity:	100 µg
Target:	ADIPOQ
Protein Characteristics:	AA 18-247
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADIPOQ protein is labelled with His tag.
Application:	Immunogen (Imm)

Product Details

Sequence:	Glu18-Asn247
Characteristics:	A DNA sequence encoding the Mouse ADIPOQ (Q60994-1) (Glu18-Asn247) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	ADIPOQ
Alternative Name:	ADIPOQ (ADIPOQ Products)
Background:	Abbreviation: ADIPOQ Target Synonym: 30 kDa adipocyte complement related protein,30 kDa adipocyte complement-related protein,ACDC,ACRP30,ADIPO,Adipocyte,Adipocyte C1q and collagen domain containing

Target Details

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

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.

Molecular Weight:	Calculated MW: 24.92 kDa Observed MW: 27.22 kDa
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UniProt:	Q60994-1
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Comment:	used as Immunogen for (ABIN6999873, ABIN7234151, ABIN7234152 and ABIN7234153)
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
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Storage:	4 °C,-20 °C,-80 °C
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Handling

Storage Comment: 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.

Expiry Date: 12 months