

Recombinant Human ADIPOQ protein, His-tagged

Cat. No. ADIPOQ-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADIPOQ(106-242aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	106-242 a.a.
Description	ADIPOQ, as known as adiponectin, is an adipocyte-derived protein with wide ranging paracrine and dedocrine effects on metabolism and inflammation. It is induced during adipocyte differentiation, and its secretion is stimulated by insulin. This protein influences gonadotropin release, normal pregnancy, and assisted reproduction outcomes. Also, it is important factor in chronic liver diseases and chronic kidney diseases.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	16.9kDa (146aa) 13.5-18kDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPEGAYVYR SAFSVGLEY VTIPNMPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVG DQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD HHHHHH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

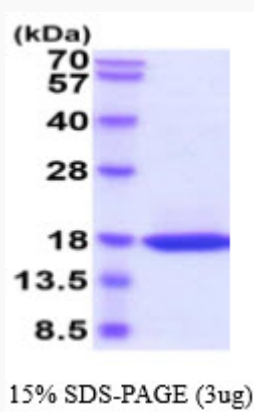
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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens]
Official Symbol	ADIPOQ
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC, adipocyte, C1Q and collagen domain containing; adiponectin; ACRP30; AdipoQ; adipose most abundant gene transcript 1; apM1; GBP28; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein; ACDC; ADPN; APM1; APM-1; ADIPQTL1;
Gene ID	9370
mRNA Refseq	NM_004797
Protein Refseq	NP_004788

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MIM	605441
UniProt ID	Q15848
Chromosome Location	3q27
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	cytokine activity; eukaryotic cell surface binding; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding; sialic acid binding;
 (kDa) 70 57 40 28 18 13.5 8.5 15% SDS-PAGE (3ug)	