

## Active Recombinant Human ADIPOQ protein, His-tagged

Cat. No. ADIPOQ-254H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ADIPOQ, transcript variant 2, fused with His tag at N-terminal was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	<p>The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene.</p>
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bio-activity</b>	Determined by a cytotoxic assay using M1 cells. ED50 for this effect is 3.0-6.0ug/mL.
<b>Molecular Mass</b>	35 kDa

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**AA Sequence**

RGHHHHHHHHETTQGPVLLPLPKGACTGWMAGIPGHPGHNGAPGRDGRDGT  
 GEKGEKGDPLIGPKGDIGETGVPGAEGPRGFPGIQGRKGEPEGAYVYRSAFSV  
 GLETYVTIPNMPIRFTKIFYNQNHYDGSTGKFHCNIPGLYYFAYHITVYMKDVKVSL  
 FKKDKAMLFTYDQYQENNVDAQSGSVLLHLEVGDQVWLQVYGEGERNGLYADND  
 NDSTFTGFLLYHDTN

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein in the desired concentration in proper buffer

## 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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<b>MIM</b>	605441
<b>UniProt ID</b>	Q15848

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