

# Product Datasheet

## Recombinant Human Adiponectin/Acrp30 Protein NBP1-46038

Unit Size: 0.025 mg

Store at -80C. Avoid freeze-thaw cycles.

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Updated 7/28/2019 v.20.1

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**NBP1-46038**

## Recombinant Human Adiponectin/Acrp30 Protein

Product Information	
Unit Size	0.025 mg
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute with 0.5 ml sterilized PBS. After reconstitution the buffer solution will contain 1% human serum albumin and 10% trehalose already present in the vial.
Product Description	
Description	A biologically active protein corresponding to the signal peptide sequence, and the mature Adiponectin sequence of ADIPOQ. <b>Source:</b> <i>modified human 293 cells</i>
Gene ID	9370
Gene Symbol	ADIPOQ
Species	Human
Reactivity Notes	This is a Human protein
Specificity/Sensitivity	A DNA sequence encoding the human Adiponectin protein sequence. Adiponectin migrates as a broad band between 25 and 35 kDa in SDS-PAGE due to post-translational modifications, in particular glycosylation. This compares with unmodified Adiponectin that has a predicted molecular mass of 24.5 kDa. Adiponectin contains O-linked oligosaccharides.
Preparation Method	A DNA sequence encoding the human Adiponectin protein sequence (containing the signal peptide sequence, and the mature Adiponectin sequence) was expressed in modified human 293 cells.
Details of Functionality	The ED50 of adiponectin is typically 3-5 ug/ml as measured by its ability to inhibit M1 cell proliferation.
Product Application Details	
Applications	Western Blot, Functional, Block/Neutralize, Bioactivity
Recommended Dilutions	Western Blot, Functional, Bioactivity, Block/Neutralize
Application Notes	Adiponectin separates into a number of glycoforms with an observed pI between 4.5 and 8.0 on 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified Adiponectin that has a predicted pI of 5.5.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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