

Datasheet: PHP196

Description:	RECOMBINANT HUMAN ADIPONECTIN
Name:	ADIPONECTIN
Other names:	ADIPOQ
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	25 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilised
Reconstitution	Reconstitute with 25ul distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified recombinant adiponectin expressed in High-5 insect cells.
Preservative Stabilisers	None present
Endotoxin Level	<1EU/ug
Approx. Protein Concentrations	1.0 mg/ml after reconstitution.
External Database Links	<p>UniProt: Q15848 Related reagents</p> <p>Entrez Gene: 9370 ADIPOQ Related reagents</p>

Synonyms ACDC, ACRP30, APM1, GBP28

Product Information **Recombinant Adiponectin** produced in Hi5 cells derived from the cabbage looper moth *Trichoplusia ni* corresponds to amino acids 19-244 of the human adiponectin precursor and containing an N-terminal histidine tag. Adiponectin is an adipokine exclusively secreted by adipocytes, which plays a major role in the control of fat metabolism and insulin sensitivity, through the regulation of energy homeostasis and glucose and lipid metabolism. A reduced level of plasma adiponectin is associated with type 2 diabetes and obesity insulin resistance. Adiponectin is an abundant protein in normal serum corresponding to approximately 0.1% of the total protein content.

Molecular Weight 26.0kD (226 amino acid residues).

Activity Determined by a cytotoxic assay using M1 cells. The ED₅₀ for this effect is 3.0-6.0 µg/ml.

Purity >97% by SDS PAGE and HPLC analysis.

Storage Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 3 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10268 available at:
10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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