

## Datasheet: PHP196

**BATCH NUMBER 169157**

<b>Description:</b>	RECOMBINANT HUMAN ADIPONECTIN
<b>Name:</b>	ADIPONECTIN
<b>Other names:</b>	ADIPOQ
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 25 ul 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.
<b>Preparation</b>	Purified recombinant adiponectin expressed in High-5 insect cells using a baculovirus expression system
<b>Source</b>	High-5
<b>Buffer Solution</b>	10mM TRIS, pH 8.5 75mM L-Arginine
<b>Preservative Stabilisers</b>	None present

<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 1.0 EU/ug
<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q15848</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">9370</a>    ADIPOQ    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ACDC, ACRP30, APM1, GBP28
<b>Product Information</b>	<p><b>Recombinant Adiponectin</b> produced in Hi5 cells derived from the cabbage looper moth <i>Trichoplusia ni</i> 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.</p>
<b>Protein Molecular Weight</b>	26 kDa (226 amino acid residues)
<b>Activity</b>	Determined by a cytotoxic assay using M1 cells. The ED <sub>50</sub> for this effect is 3.0-6.0 µg/ml.
<b>Purity</b>	>97% by SDS PAGE and HPLC
<b>Storage</b>	<p>Prior to reconstitution store at -20°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.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20478 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/PHP196">https://www.bio-rad-antibodies.com/SDS/PHP196</a>  20478</p>
<b>Regulatory</b>	For research purposes only

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto:antibody_sales_uk@bio-rad.com)

'M420110:230706'

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

**Printed on 18 Nov 2024**

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