

## Datasheet: PHP196

<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>Buffer Solution</b>	10mM TRIS, pH 8.5 75mM L-Arginine
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

Endotoxin Level < 1.0 EU/ug

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Approx. Protein Concentrations 1.0 mg/ml after reconstitution

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External Database Links

UniProt:

[Q15848](#)    [Related reagents](#)

Entrez Gene:

[9370](#)    ADIPOQ    [Related reagents](#)

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Synonyms ACDC, ACRP30, APM1, GBP28

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**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.

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**Protein Molecular Weight** 26 kDa (226 amino acid residues)

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**Activity** Determined by a cytotoxic assay using M1 cells. The ED<sub>50</sub> for this effect is 3.0-6.0 µg/ml.

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**Purity** >97% by SDS PAGE and HPLC

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**Storage** 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.

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**Guarantee** Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #20478 available at: 20478: <https://www.bio-rad-antibodies.com/uploads/MSDS/20478.pdf>

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**Regulatory** For research purposes only

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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)

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