

Datasheet: PHP196

BATCH NUMBER 162287

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 - lyophilized
Reconstitution	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.
Preparation	Purified recombinant adiponectin expressed in High-5 insect cells using a baculovirus expression system
Buffer Solution	10mM TRIS, pH 8.5 75mM L-Arginine
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level	< 1.0 EU/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	<p>Recombinant Adiponectin 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>
Protein Molecular Weight	26 kDa (226 amino acid residues)
Activity	Determined by a cytotoxic assay using M1 cells. The ED ₅₀ for this effect is 3.0-6.0 µg/ml.
Purity	>97% by SDS PAGE and HPLC
Storage	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p> <p>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>
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.
Health And Safety Information	<p>Material Safety Datasheet documentation #20478 available at: https://www.bio-rad-antibodies.com/SDS/PHP19620478</p>
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
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