

## Datasheet: PHP036

**BATCH NUMBER 050315**

<b>Description:</b>	RECOMBINANT HUMAN PDGF BB HOMODIMER
<b>Name:</b>	PDGF BB HOMODIMER
<b>Other names:</b>	PLATELET DERIVED GROWTH FACTOR BB
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 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	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.2ng/ml - 10ng/ml

Where this protein 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 protein for use in their own systems using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilised
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water.</p> <p>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. After the initial reconstitution step, the product should be diluted to a working concentration using an aqueous buffer containing 0.1% BSA (or any albumin), or diluted in culture media containing serum, such as FCS.</p>
<b>Buffer Solution</b>	10 mM Acetic Acid
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	<0.1ng/ug

<b>Approx. Protein Concentrations</b>	Total protein concentration 0.1 mg/ml after reconstitution.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01127</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5155</a>    PDGFB    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	PDGF2, SIS
<b>Product Information</b>	<p><b>Recombinant Human PDGF BB homodimer</b> is an <i>E. coli</i>-derived recombinant protein corresponding to mature full-length human Platelet-Derived Growth Factor BB homodimer (PDGF-BB), a potent mitogen for cells of mesenchymal origin. PDGF is composed of a dimer of two chains, known as the A chain and B chain. The dimer may present as either AA or BB homodimer, or as an AB heterodimer.</p> <p>Recombinant Human PDGF BB homodimer (<b>PHP036</b>) has an ED<sub>50</sub> of 1.0-3.0 ng/ml as determined by stimulation of the proliferation of Balb/c 3T3 cells.</p>
<b>Protein Molecular Weight</b>	24.3kD (218 amino acid sequence)
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>ELISA</b>	PHP036 may be used in ELISA applications with <a href="#">AHP793</a> .
<b>Western Blotting</b>	PHP036 may be used under reducing or non-reducing western blotting conditions with <a href="#">AHP793</a> .
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	3 months from date of reconstitution.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation available at:  <a href="https://www.bio-rad-antibodies.com/SDS/PHP036">https://www.bio-rad-antibodies.com/SDS/PHP036</a></p> <p>Material Safety Datasheet Documentation #20338 available at:  <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20338.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20338.pdf</a></p>
<b>Regulatory</b>	For research purposes only

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

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

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

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

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

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

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

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

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**Printed on 29 Feb 2024**

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