

Datasheet: PHP036

BATCH NUMBER 050315

Description:	RECOMBINANT HUMAN PDGF BB HOMODIMER
Name:	PDGF BB HOMODIMER
Other names:	PLATELET DERIVED GROWTH FACTOR BB
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified recombinant protein - lyophilised
Reconstitution	<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>
Buffer Solution	10 mM Acetic Acid
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug

Approx. Protein Concentrations	Total protein concentration 0.1 mg/ml after reconstitution.
External Database Links	<p>UniProt: P01127 Related reagents</p> <p>Entrez Gene: 5155 PDGFB Related reagents</p>
Synonyms	PDGF2, SIS
Product Information	<p>Recombinant Human PDGF BB homodimer 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 (PHP036) has an ED₅₀ of 1.0-3.0 ng/ml as determined by stimulation of the proliferation of Balb/c 3T3 cells.</p>
Protein Molecular Weight	24.3kD (218 amino acid sequence)
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	PHP036 may be used in ELISA applications with AHP793 .
Western Blotting	PHP036 may be used under reducing or non-reducing western blotting conditions with AHP793 .
Storage	<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>
Guarantee	3 months from date of reconstitution.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: https://www.bio-rad-antibodies.com/SDS/PHP036</p> <p>Material Safety Datasheet Documentation #20338 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/20338.pdf</p>
Regulatory	For research purposes only

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

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