

Datasheet: PHP036

BATCH NUMBER 171042

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 - lyophilized

Reconstitution

Reconstitute with 0.1ml 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. 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.

Source

E.coli

Buffer Solution

30 mM Acetic Acid

Preservative Stabilisers

None present

Carrier Free	Yes
Endotoxin Level	< 0.1 ng/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
Storage	<p>Prior to reconstitution store at -20°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	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	Material Safety Datasheet documentation #20338 available at: https://www.bio-rad-antibodies.com/SDS/PHP036
Regulatory	For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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