

Datasheet: PHP036

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	30 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:</p> <p>P01127 Related reagents</p>

Entrez Gene:

[5155](#) PDGFB [Related reagents](#)

Synonyms PDGF2, SIS

Product Information **Recombinant Human PDGF BB homodimer** is an *E. coli*-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.

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.

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 Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

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.

Shelf Life 3 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #20338 available at: 20338: <https://www.bio-rad-antibodies.com/uploads/MSDS/20338.pdf>

Regulatory For research purposes only

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