## Datasheet: PHP240

<table>
<thead>
<tr>
<th>Description</th>
<th>RECOMBINANT HUMAN INHIBIN BETA B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>INHIBIN BETA B</td>
</tr>
<tr>
<td>Other names</td>
<td>ACTIVIN B</td>
</tr>
<tr>
<td>Format</td>
<td>Rec. Protein</td>
</tr>
<tr>
<td>Product Type</td>
<td>Recombinant Protein</td>
</tr>
<tr>
<td>Quantity</td>
<td>5 µg</td>
</tr>
</tbody>
</table>

### 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).

<table>
<thead>
<tr>
<th>Function Assay</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

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 - lyophilised

### Reconstitution

Reconstitute with 10µl 10mM sodium citrate pH 3.0. 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 Inhibin Beta B expressed in High-5 insect cells

### Buffer Solution

10mM Sodium citrate.

### Preservative

5% Trehalose

### Stabilisers

5% Trehalose

### Endotoxin Level

<1EU/µg

### Approx. Protein Concentrations

0.5 mg/ml after reconstitution

### External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>P09529</td>
<td>Related reagents</td>
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<table>
<thead>
<tr>
<th>Entrez Gene:</th>
<th>Related reagents</th>
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</thead>
<tbody>
<tr>
<td>3625</td>
<td>INHBB Related reagents</td>
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</table>
Product Information

Inhibin Beta B, otherwise known as Activin B, is a member of the transforming growth factor-beta (TGF-B) family, which signals through the ActRII receptor (Activin Receptor type II), and acts as a regulator of hormone secretion from the pituitary, hypothalamic and gonadal glands.

Inhibin Beta B is a homodimer of the inhibin/activin beta-B chain, and is involved in several aspects of embryonic development, as well as haematopoiesis and osteogenesis, and also acts as a modulator of FSH (follicle-stimulating hormone) secretion and haemoglobin synthesis.

Molecular Weight

25.6kD (115 amino acid Beta B homodimer)

Activity

The ED$_{50}$ as determined by its ability to inhibit the proliferation of murine MPC-11 cells is ≤ 2ng/ml, corresponding to a specific activity of ≥ 5 x 105 units/mg.

Purity

>95% by SDS PAGE and HPLC analysis

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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


Regulatory

For research purposes only