

Datasheet: PHP240

Description:	RECOMBINANT HUMAN INHIBIN BETA B
Name:	INHIBIN BETA B
Other names:	ACTIVIN B
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	5 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
Functional Assays	▪			

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 - lyophilized
Reconstitution	Reconstitute with 10 ul 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 Stabilisers	5% Trehalose
Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug
Approx. Protein	0.5 mg/ml after reconstitution

Concentrations

External Database

Links

UniProt:

[P09529](#)

[Related reagents](#)

Entrez Gene:

[3625](#)

INHBB

[Related reagents](#)

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 hematopoiesis and osteogenesis, and also acts as a modulator of FSH (follicle-stimulating hormone) secretion and hemoglobin synthesis.

Protein Molecular Weight

25.6 kDa (115 amino acid Beta B homodimer)

Activity

The ED₅₀ 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 -20°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.

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 #10268 available at:
10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory

For research purposes only

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