

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 - lyophilised
Reconstitution	Reconstitute with 10ul 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
Endotoxin Level	<1EU/ug
Approx. Protein Concentrations	0.5 mg/ml after reconstitution

External Database Links

UniProt:

[P09529](http://www.uniprot.org/entry/P09529)

[Related reagents](#)

Entrez Gene:

[3625](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=3625)

INHBB

[Related reagents](#)

Product Information	Inhibin Beta B, otherwise known as Activin B, is a member of the transforming growth factor-beta (TGF-β) 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 10 ⁵ 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.
Shelf Life	3 months from date of reconstitution. 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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