

**Recombinant Human Activin B**  
**Catalog # PBG10005****Specification**

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**Recombinant Human Activin B - Product Information****Recombinant Human Activin B - Additional Information****Description**

Activin B is a TGF- $\beta$  family member that exhibits a wide range of biological activities including regulation of embryogenesis, osteogenesis, hematopoiesis, reproductive physiology and hormone secretion from the hypothalamic, pituitary and gonadal glands. Activin B, like certain other members of the TGF- $\beta$  family, signals through the ActRII receptor (Activin Receptor type II). Human Activin B is a 25.6 kDa disulfide-linked homodimer consisting of two  $\beta$ B chains, each containing 115 amino acid residues. *\*Manufactured using BTI-Tn-5B1-4 cells under license from the Boyce Thompson Institute for Plant Research, Inc*

**Biological Activity**

The  $ED_{50}$  as determined by its ability to inhibit the proliferation of murine MPC-11 cells is  $\leq 2.0$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^5$  units/mg.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Activin B is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Activin B - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Human Activin B - Images**