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Recombinant Human Activin-B

Description: Activin B is a TGF- β 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- β family, signals through the ActRII receptor (Activin Receptor type II). Human Activin B is a 25.6 kDa disulfide-linked homodimer consisting of two β B chains, each containing 115 amino acid residues.

Source:	Insect cells
Molecular Weight:	25.6 kDa
Purity:	95 % (SDS-PAGE, HPLC)
Endotoxin level:	< 0.1 ng per ug of Activin-B
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: The **ED**₅₀ as determined by its ability to inhibit the proliferation of murine MPC-11 cells is ≤ 2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20⁰C. Reconstituted Activin B is stable for at least 3 months when stored in working aliquots with a carrier protein at -20⁰C. **Avoid repeated freeze-thaw cycles.**

Usage: Human Activin-B is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-330	Size: 5 μ g
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****please note: always centrifuge product before opening vial ****