

Recombinant Human/Murine/Rat Activin A (Insect-derived)
Catalog # PBG10004**Specification**

Recombinant Human/Murine/Rat Activin A (Insect-derived) - Product Information**Recombinant Human/Murine/Rat Activin A (Insect-derived) - Additional Information****Description**

Activin A is a TGF- β family member that exhibits a wide range of biological activities including regulation of cellular proliferation and differentiation, and promotion of neuronal survival. Elevated levels of Activin A in human colorectal tumors and in post-menopausal woman have been implicated in colorectal and breast cancers, respectively. The biological activities of Activin A can be neutralized by inhibins and by the diffusible TGF- β antagonist, Follistatin. Human/Murine/Rat Activin A is a 26.0 kDa disulfide-linked homodimer of two β A chains, each containing 116 amino acid residues. *Manufactured using (BTI-Tn-5B1-4) cells under license from the Boyce Thompson Institute for Plant Research, Inc.

Biological Activity

The **ED₅₀** 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.

Authenticity

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

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human/Murine/Rat Activin A (Insect-derived) is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human/Murine/Rat Activin A (Insect-derived) - 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/Murine/Rat Activin A (Insect-derived) - Images