

Animal-Free Recombinant Human/Murine/Rat Activin A (E.coli-derived)
Catalog # PBG10505**Specification**

Animal-Free Recombinant Human/Murine/Rat Activin A (E.coli-derived) - Product Information**Animal-Free Recombinant Human/Murine/Rat Activin A (E.coli-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 postmenopausal women 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.

Biological Activity

The ED_{50} as determined by its ability to inhibit the proliferation of murine MPC-11 cells is ≤ 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/ μ g of protein (<1 EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

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

Animal-Free Recombinant Human/Murine/Rat Activin A (E.coli-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](#)

Animal-Free Recombinant Human/Murine/Rat Activin A (E.coli-derived) - Images