

## Recombinant Human/Murine/Rat Activin A (E.coli-derived)

Catalog # PBG10003

## **Specification**

## Recombinant Human/Murine/Rat Activin A (E.coli-derived) - Product Information

#### Recombinant Human/Murine/Rat Activin A (E.coli-derived) - Additional Information

### **Description**

Activin A is a TGF- $\beta$  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- $\beta$  antagonist, follistatin. Human/Murine/Rat Activin A is a 26.0 kDa disulfide-linked homodimer of two  $\beta$ A chains, each containing 116 amino acid residues.

### **Biological**Activity

The <strong>ED</strong><sub>50</sub> as determined by its ability to inhibit the proliferation of murine MPC-11 cells is  $\le$  2.0 ng/ml, corresponding to a specific activity of  $\ge$  5 x 10<sup>5</sup> units/mg.

## **Authenticity**

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

#### **Endotoxin**

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

#### **Protein Content**

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

# Storage

-20°C

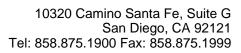
#### **Precautions**

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

#### 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 CytometyCell Culture

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