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Recombinant Human Activin-A

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 Activin A is a 26.0 kDa disulfide-linked homodimer of two β A chains, each containing 116 amino acid residues.

Source:	E. coli
Molecular Weight:	26 kDa
Purity:	>97% by SDS-PAGE and HPLC analysis
Endotoxin level:	< 0.1 ng per μ g of Activin-A
Formulation:	lyophilized

Biological Activity: The ED₅₀ as determined by its ability to inhibit the proliferation of mouse MPC-11 cells is ≤ 2.0 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

Stability: The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted human Activin-A should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

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

Catalogue number: 100-310E

Size: 10 μ g

**** Please note: always centrifuge vials before opening! ****