Activin B Human (BTI-Tn-5B1-4) Hi-5 Insect cells*

Product Data Sheet

Type: Recombinant
Source: (BTI-Tn-5B1-4) Hi-5 Insect cells*
Species: Human
Other names: Activin beta-B, Inhibin beta-2

Cat. No.:

RBG10053001	(1 µg)
RBG10053005	(5 µg)
RBG10053100	(100 µg)

Description

Activin B is a TGF-beta 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-beta family, signals through the ActRII receptor (Activin Receptor type II). Activins are homodimers or heterodimers of different beta subunits. They are produced as precursor proteins with an amino terminal propeptide that is cleaved to release the C-terminal bioactive ligand. Human Activin B is a 25.6 kDa disulfide-linked homodimer consisting of two betaB chains, each containing 115 amino acid residues.

Research topic

Apoptosis, Neural tissue markers

Amino Acid Sequence

GLECDGRTNL CCRQQFFIDF RLIGWNDWII APTGYYGNYC EGSCPAYLAG VPGSASSFHT AVVNQYRMRG LNPGTVNSCC IPTKLSTMSM LYFDDEYNIV KRDVPNMIVE ECGCA

Source

(BTI-Tn-5B1-4) Hi-5 Insect cells*

Purity

95%

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 5×10^5 units/mg.

Endotoxin

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

Storage, Stability/Shelf Life

-20°C

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