

32-20566: Recombinant Human Activin B(Discontinued)

Alternative Name : Activin beta-B, Inhibin beta-2

Description

Source: Hi-5 Insect cells

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 Beta B chains, each containing 115 amino acid residues.

Product Info

Amount : 1 µg / 5 µg

Purification : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : GLECDGRTNL CCRQQFFIDF RLIWWDWII APTGYYGNYC EGSCPAYLAG VPGSASSFHT AVVNQYRMRG
LNPQTVNSCC IPTKLSTMSM LYFDDEYNIV KRDPNMIVE ECGCA

Application Note

The ED₅₀ 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 x 10⁵ units/mg.