

32-20575: Recombinant Human BMP-5(Discontinued)

Reactivity : Human
Alternative Name : Bone Morphogenetic Protein-5

Description

Source:CHO cells

TGF-Beta family members are key modulators of cell proliferation, differentiation, matrix synthesis, and apoptosis. As implied by their name, BMPs initiate, promote, and regulate the development, growth, and remodeling of bone and cartilage. In addition to this role, BMPs are also involved in prenatal development and postnatal growth, remodeling, and maintenance of a variety of other tissues and organs. BMP-5 is expressed in the nervous system, lungs and liver. It is a known regulator for dendritic growth in sympathetic neurons. BMP-5 is a 454 amino acid precursor protein that is cleaved to release the biologically active C-terminal mature protein. Recombinant Human BMP-5 is a 31.2 kDa homodimeric disulfide-linked protein consisting of two identical 138 amino acid chains.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : AANKRKNQNR NKSSSHQDSS RMSSVGDYNT SEKQACKKH ELYVSFRDLG WQDWIIAPEG
YAAFYCDGEC SFPLNAHMNA TNHAIQTLV HLMFPDHVPK PCCAPTKLNA ISVLYFDDSS NVILKKYRNM
VVRSCGCH

Application Note

Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED₅₀ for this effect is 0.5-1.0 µg/ml.