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32-20040: Recombinant Human BMP-3(Discontinued)

Reactivity : Mouse
Alternative Name : Bone Morphogenetic Protein-3, Osteogenin, BMP-3A

Description

Source:E.coliTGF-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-3 is abundantly found in adult bone and, to a lesser extent, fetal cartilage. BMP-3 inhibits osteogenesis and bone formation by activating a signaling cascade that antagonizes the signaling of pro-osteogenic BMPs. Recombinant Human BMP-3 is a disulfide-linked homodimeric protein that corresponds to residues 361 to 472 of the 472 amino acid BMP-3 precursor protein. The calculated molecular weight of Recombinant Human BMP-3 is 25.2 kDa.

Product Info

Amount : 10 µg / 50 µg
Purification : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MQWIEPRNCA RRYLKVDFAD IGWSEWIISP KSFDAYYCSG ACQFPMPKSL KPSNHATIQS IVRAVGVVPG IPEPCCVPEK MSSLSILFFD ENKNVVLKVY PNMTVESCAC R

Application Note

Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.