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32-18152: Recombinant Human BMP2 Protein, hFc Tag

Uniprot ID : P12643
Alternative Name : BDA2; BMP2A; SSFSC; SSFSC1

Description

Molecular Characterization: BMP2(Gln283-Arg396) hFc(Glu99-Ala330)
Molecular weight: The protein has a predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of BMP2-hFc is approximately 35-55 kDa due to glycosylation.
Description: Recombinant Human BMP2 Protein with C-terminal human Fc tag
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients.

Product Info

Amount :	100 µg / 50 µg
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.