

32-1243: GDF5 His Recombinant Protein

Alternative Name : Cartilage-derived morphogenetic protein-1,CDMP-1,LAP4,SYNS2,GDF-5,Radotermis,CDMP1,GDF5,Growth differentiation factor 5,BMP-14.

Description

Source : Escherichia Coli. GDF5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 141 amino acids (382-501 a.a.) and having a total molecular mass of 15.8 kDa. GDF5 is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. GDF-5 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Mutations in this gene are associated with acromesomelic dysplasia, Hunter-Thompson type; brachydactyly, type C; and chondrodysplasia, Grebe type. These associations confirm that the gene product plays a role in skeletal development.

Product Info

Amount : 25 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The GDF5 solution contains 10mM sodium citrate pH-3.5 and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MAPLATRQ GK RPSKNLKARC SRKALHVNFK DMGWDDWIIA
 PLEYEAFHCE GLCEFPLRSH LEPTNHA VIQ TLMNSMDPES TPPTCCVPTR LSPISILFID
 SANNVVKQY EDMVVESCGC R.

