

## 32-1244: mGDF5 Recombinant Protein

**Alternative Name :** Bmp-14,Bp,GDF-5,Bone morphogenetic protein 14,GDF5.

### Description

Source : Escherichia Coli. GDF5 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 143 amino acids (376-495 a.a) and having a molecular mass of 16kDa.GDF5 is fused to a 23 amino acid His-tag at N-terminus & 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

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	GDF5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSAPLANRQ GKRPSKNLKA RCSRKALHVN FKDMGWDDWI IAPLEYEAFH CEGLCFPLR SHLEPTNHAV IQTLMNSMDP ESTPPTCCVP TRLSPISILF IDSANNVYK QYEDMVVESC GCR.

