

AR09217PU-N**Human BMP3B / GDF10 (369-478) - Purified****Alternate names:**BIP, Bone morphogenetic protein 3b, Bone-inducing protein, GDF-10,
Growth/differentiation factor 10**Quantity:**

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

GDF10 (Growth differentiation factor 10) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. It is expressed in femur, brain, lung, skeletal, muscle, pancreas and testis, and it plays a role in head formation and may have multiple roles in skeletal morphogenesis. 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.

Uniprot ID:[P5510Z](#)**NCBI:**[NP_004953](#)**GeneID:**[2662](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 10 mM sodium citrate (pH 3.5) containing 10% glycerol**Description:**

Recombinant GDF10 protein was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS
IVRAVGIIIPG IPEPCCVPDK MNSLGVLFLLD ENRNVVLKVY PNMSVDTCCAC R**Molecular weight:** 12.5 kDa (111 aa)**Storage:**

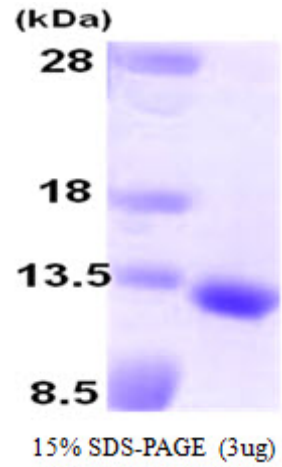
Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:Ducy P., et al. (2000) *Kidney Int.* 57(6):2207-14.

Pictures:



Recombinant human GDF-10 (aa 369-478): 15% SDS-PAGE (3 µg)

