

Product information

GDF5, 376-495aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2894

Full name: Growth/differentiation factor 5 precursor

NCBI Accession No.: NP_032135

Synonyms: bp, brp, Cdmp-1

Description: Growth/differentiation factor 5 precursor, also known as GDF5, is a member of the TGF superfamily. GDF5 has been shown to induce activation of plasminogen activator, thereby inducing angiogenesis. It is predominantly expressed in long bones during fetal embryonic development and is involved in bone formation. GDF5 mutations have been identified in mice with the mutation brachypodism (bp), a mutation which affects the length and number of bones in limbs. Recombinant mouse GDF5 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

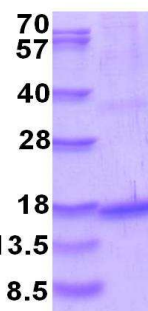
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol ,

Molecular Weight: 16kDa (143aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)

(kDa)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSAPLANRQ GKRPSKNLKA RCSRKALHVN FKDMGWDDWI IAPLEYEAFH CEGLCFPLR SHLEPTNHAV
IQTLNMSMDP ESTPPTCCVP TRLSPISILF IDSANNVYK QYEDMVVESC GCR

General references:

Katayama R., *et al.* (2004) *Rheumatology*. 43: 980-985.

Kwong F N., *et al.* (2008) *J Orthop Res*. 27: 752-757.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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