

**GDF-5, 382-501aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP02220**

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3th Edition

**Synonyms:**Growth differentiation factor 5, BMP14, CDMP1, LAP4, OS5, SYNS2

**Description:**Growth differentiation factor 5(GDF-5) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This protein plays a role in chondrogenesis and chondrocyte metabolism, tendon and ligament tissue formation, and bone repair. It also increases the survival of neurons that respond to a neurotransmitter called dopamine, and is a potential therapeutic molecule associated with Parkinson's disease.

**Form:**Liquid. In 10 mM Sodium citrate pH 3.5, 10% glycerol

**Molecular Weight:**15.8 kDa (141aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAPLATRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIIAPLEYEAFHCEGLCE  
FPLRSHLEPTNHAVIQTLMNSMDPESTPPTCCVPTLSPISILFIDSANNVYKQYEDMVVESCGR

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.