

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

Cat.NO.: TP02220

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 neurones 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:

MGSSHHHHHHSSGLVPRGSHMAPLATRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIIAPLEYEAFHCEGLCE
FPLRSHLEPTNHAVIQTLMNSMDPESTPPTCCVPTLSPISILFIDSANNVVKQYEDMVVESCGR

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.