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GDF5 Mouse, His

Growth differentiation factor 5 Mouse Recombinant, His Tag
CYK0179

Product Overview

Name	GDF5 Mouse, His

Description

Growth differentiation factor 5 Mouse Recombinant, His Tag

Accession (Primary)	P43027

Synonyms

Bmp-14, Bp, GDF-5, Bone morphogenetic protein 14, GDF5.

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

GDF5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS APLANRQ GKRPSKNLKA RCSRKALHVN FKDMGWDDWI IAPLEYEAFH CEGLCEFPLR SHLEPTNHAV IQTLMNSMDP ESTPPTCCVP TRLSPISILF IDSANNVVYK QYEDMVVESC GCR.

Precautions

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GDF5 Mouse, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P43027)