9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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GDF5 Human, His

Growth differentiation factor 5 Human Recombinant, His Tag
CYK0177

Product Overview

Name	GDF5 Human, His

Description

Growth differentiation factor 5 Human Recombinant, His Tag

Accession (Primary)	P43026

Synonyms

Cartilage-derived morphogenetic protein-1, CDMP-1, LAP4, SYNS2, GDF-5, Radotermin, CDMP1, GDF5, Growth differentiation factor 5, BMP-14.

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

The GDF5 solution contains 10mM sodium citrate pH-3.5 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 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MAPLATRQGK RPSKNLKARC SRKALHVNFK DMGWDDWIIA PLEYEAFHCE GLCEFPLRSH LEPTNHAVIQ TLMNSMDPES TPPTCCVPTR LSPISILFID SANNVVYKQY EDMVVESCGC R.

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Precautions

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

Target Information: (P43026)