
Product Data Sheet

Product Name: GDF5 Mouse, His
 Cat. No.: GP20308
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bmp-14; Bp; GDF-5; Bone morphogenetic protein 14; GDF5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSAPLANRQ GKRPSKNLKA RCSRKALHVN FKDMGWDDWI IAPLEYEAFH CEGLCFPLR SHLEPTNHAV IQTLMNSMDP ESTPPTCCVP TRLSPISILF IDSANNVYK QYEDMVVESC GCR.		
Formulation	GDF5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

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.

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.

Background

GDF5 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 143 amino acids (376-495 a.a) and having a molecular mass of 16kDa. GDF5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA