
Product Data Sheet

Product Name: GDF11 Human, His
 Cat. No.: GP20313
 Batch No.: 1

Product Data

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|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Growth Differentiation Factor 11; BMP11; Bone Morphogenetic Protein 11; BMP-11; GDF-11; Growth/Differentiation Factor 11; Growth/differentiation factor 11. | | |
| Amino Acid Sequence | MGSSHHHHHSSGLVPRGSH MGSNLGLDCDEHSSESRCR YPLTVDFEAF GWDWIIAPKR YKANYCSGQC EYMFMQKYPH THLVQQANPR GSAGPCCTPTKMSPINMLYF NDKQQIYGK IPGMVVDRCG CS. | | |
| Formulation | GDF11 protein solution (1mg/ml) containing 20mM Tris-HCl(pH8.0) and 10% glycerol. | | |

Introduction

GDF-11 belongs to the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. GDF-11 is a central developmental factor which controls muscular and neural development. In adults, GDF-11 encourages cardiac hypertrophy reverse by the revival of cardiomyocytes.

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

GDF11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids (299-407a.a) and having a molecular mass of 14.8kDa. GDF11 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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