
Product Data Sheet

Product Name: GDF15 Mouse
 Cat. No.: GP20317
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Growth/differentiation factor 15; GDF-15.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSAHAHPR DSCPLGPGRC CHLETVQATL EDLGWSDWVL SPRQLQLSMCVGECPLYRS ANTHAQIKAR LHGLQPKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA.		
Formulation	GDF15 protein solution (1.0mg/ml) containing 20mM Phosphate buffer (pH 8.0) and 10% glycerol.		

Introduction

GDF15 is part of the TGF-Beta superfamily which is involved in regulating inflammatory and apoptotic pathways in injured tissues and throughout disease processes. GDF15 is most abundant in the liver. Its expression in liver can be considerably up-regulated during injury of organs such as liver, kidney, heart and lung. GDF-15 promotes proliferation or growth arrest and differentiation due to differences in cellular differentiation. GDF15 prevents apoptosis in cerebellar granule neurons by activating Akt and inhibiting endogenously active ERK. GDF15 is a novel autocrine/endocrine factor that antagonizes the hypertrophic response and loss of ventricular performance.

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

GDF15 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 138 amino acids (189-303 a.a) and having a molecular mass of 14.9kDa. GDF15 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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