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GDF15 Human, His

Growth and Differentiation Factor 15 Human Recombinant, His Tag
CYK0173

Product Overview

Name	GDF15 Human, His
Description	
Growth and Differentiation Factor 15 Human Recombinant, His Tag	
Accession (Primary)	Q99988
Synonyms	
GDF-15, MIC1, MIC-1, NAG-1, PDF, PLAB, PTGFB, Growth/differentiation factor 15, Placental bone morphogenetic protein, Placental TGF-beta, Macrophage inhibitory cytokine 1, Prostate differentiation factor, NSAID-activated gene 1 protein, NSAID-regulated gene 1 protein, NRG-1, GDF15.	
Introduction	
GDF15 is part of the TGF-Beta superfamily that 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 in 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The GDF15 protein solution contains 10mM sodium citrate, pH-3.5 & 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	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMARA RNGDHCPLGP GRCCRLHTVR ASLEDLGWAD	

WVLSPREVQV TMCIGACPSQ FRAANMHAQI KTSLHRLKPD TVPAPCCVPA SYNPMVLIQK TDTGVSLQTY DDLLAKDCHC I.

Precautions

GDF15 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99988)