

32-1247: GDF15 His Recombinant Protein

Alternative Name : 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-regulat

Description

Source : Escherichia Coli. Recombinant Human GDF15 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 151 amino acids (195-308) and having a molecular mass of 16.7 kDa (molecular weight on SDS-PAGE will appear higher). GDF15 is expressed with a 36 amino acid His tag fused at N-Terminus and purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The GDF15 protein solution contains 10mM sodium citrate, pH-3.5 & 10% glycerol.
Storage condition : 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.
Amino Acid : MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMARA RNGDHCPLGP GRCCRLHTVR ASLEDLGWAD WVLSPREVQV TMCIGACPSQ FRAANMHAQI KTSLHRLKPD TVPAPCCVPA SYNPMVLIQK TDTGVSLQTY DDLAKDCHC I.