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32-1248: GDF15 D 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. GDF15 D-variant (His substitutes Asp at position 7) Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, Polypeptide chain containing 2x113 amino acids and having a molecular mass of 24.5kDa. The GDF15 D-variant is 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 :	20 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	GDF15 D-variant is lyophilized without additives.
Storage condition :	Lyophilized GDF15 D-variant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF15 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MARNGDDCPL GPGRCCRLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDTGVSLQ TYDDLLAKDC HCI.

Application Note

It is recommended to reconstitute the lyophilized GDF15 D-variant in sterile 5mM AcOH (acetic Acid) at a concentration of 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.