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32-6374: GDF15 Mouse

Alternative Name : Growth/differentiation factor 15, GDF-15.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
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 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.
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 proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	GDF15 protein solution (1.0mg/ml) containing 20mM Phosphate buffer (pH 8.0) and 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 :	MGSSHHHHHH SSGLVPRGSH MGSSAHAHPR DSCPLGPGRC CHLETVQATL EDLGWSDWVL SPRQLQLSMC VGECPHLYRS ANTHAQIKAR LHGLQPDKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA.

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