9051 Mira Mesa Blvd, #910094
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# GDF15 Mouse

*Growth and Differentiation factor 15 Mouse Recombinant*
*CYK0174*

## Product Overview

| | |
|---|---|
| Name | GDF15 Mouse |
| **Description** | |
| Growth and Differentiation factor 15 Mouse Recombinant | |
| Accession (Primary) | Q9Z0J7 |
| **Synonyms** | |
| Growth/differentiation factor 15, GDF-15. | |
| **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 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** | |
| GDF15 protein solution (1.0mg/ml) containing 20mM Phosphate buffer (pH 8.0) and 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 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS SAHAHPR DSCPLGPGRC CHLETVQATL EDLGWSDWVL SPRQLQLSMC VGECPHLYRS ANTHAQIKAR LHGLQPDKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA. | |
| **Precautions** | |

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GDF15 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q9Z0J7 )