

Human GDF-15, Tag Free Protein

HA211526



Product name:	Human GDF-15, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human GDF-15 protein (Q99988) (Ala 195-Ser 308) was expressed with tag Free.

Background: Growth/differentiation factor 15 is a protein that in humans is encoded by the GDF15 gene. GDF15 was first identified as Macrophage inhibitory cytokine-1 or MIC-1. It is a protein belonging to the transforming growth factor beta superfamily. Under normal conditions, GDF15 is expressed in low concentrations in most organs and upregulated because of injury of organs such as liver, kidney, heart and lung. The function of GDF15 is not fully clear but it seems to have a role in regulating inflammatory pathways and to be involved in regulating apoptosis, angiogenesis, cell repair and cell growth, which are biological processes observed in cardiovascular and neoplastic disorders.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: GDF-15 (195-308)

Source: HEK293

Accession: Q99988

Predicted molecular mass: 12.7 kD

Formulation: 100mM HAC, pH 2.9, 5% trehalose, 5% mannitol

Reconstitution: Reconstitute at 250 µg/ml in 4mM HCL buffer.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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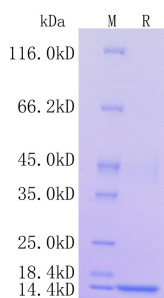


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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