GDF15
Recombinant Human Growth Differentiation Factor 15

Catalog No.	CS310A	**Quantity:**	5 µg
	CS310B		20 µg
	CS310C		1 mg
	CS310D		100 µg

Alternate Names: GDF-15, Macrophage inhibitory cytokine 1, MIC-1, Placental TGF beta, Placental BMP, Prostate differentiation factor

Description: Growth Differentiation Factor 15 (GDF-15) is a TGF-beta family member, made by the placenta and heart tissues, that has a role in regulating inflammatory and apoptotic pathways. GDF-15 has become an emerging marker of early heart disease and has the potential as being used as a molecule for screening patients for early heart failure.

Gene ID: 9518

UniProt ID: Q99988

Source: *E. coli*

Molecular Weight: 12.4/24.8 kDa (113/226 aa) dimer

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95% determined by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg, by kinetic LAL analysis

Amino Acid Sequence: MARNGDHCPL GPGRCCRLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDTGVSLQ TYDDLLAKDC HCI

Reconstitution: **Centrifuge vial before opening.** When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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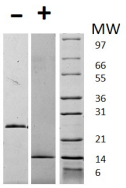

Human GDF-15
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human GDF-15 is predicted to be a homodimer with a predicted MW of 24.5 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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