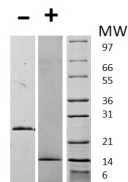


GDF15

Recombinant Human Growth Differentiation Factor 15, Animal Free

Catalog No.	CS310A-AF CS310B-AF CS310C-AF CS310D-AF	Quantity:	5 µg 20 µg 1 mg 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:	<i>E. coli</i> Manufactured without Animal-derived products, in an Animal Free facility.		
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 QKTDGTGVSQ TYDDLAKDC 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.		



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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