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32-12089: Human Growth and Differentiation Factor-15 (mutant)

Gene :	GDF15
Gene ID :	9518
Uniprot ID :	Q99988
Alternative Name :	MIC1,Â PDF,Â PLAB,Â PTGFB, Placental TGF-beta, Placental bone morphogenetic protein, Prostate differentiation factor, Macrophage inhibitory cytokine 1

Description

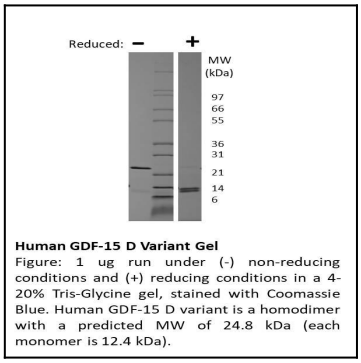
Source: Genetically modified E.coli.
Predicted MW:Â Dimer, 12.4/24.8 kDa (113/226 aa)
Growth differentiation factor 15 (GDF-15) is a member of the transforming growth factor beta (TGF-beta) family and is made by the placenta and cardiovascular tissues. GDF-15 regulates inflammatory and apoptotic pathways during cellular stress and injury. GDF-15 is emerging as a biomarker of early heart disease, such that increased levels of circulating GDF-15 are associated with an increased risk of developing heart failure. The GDF-15 D variant has a Histidine to an Aspartate substitution at amino acid position 7.

Product Info

Amount :	20 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MARNGDDCPL GPGRCCRLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDTGVSLQ TYDDLLAKDC HCI

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã□Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. Ã□Â Ã□Â



Human GDF-15 D Variant Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human GDF-15 D variant is a homodimer with a predicted MW of 24.8 kDa (each monomer is 12.4 kDa).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.