

## Growth and Differentiation Factor 15 D-Variant Human Recombinant

<b>Item Number</b>	rAP-0374
<b>Synonyms</b>	GDF-15, MIC1, MIC-1, NAG-1, PDF, PLAB, PTGFB, Growth/differentiation factor 15, Placental bone morphogenetic protein, Placental TGF-beta, Macrophage inhibitory cytokine 1, Prostate differentiation factor, NSAID-activated gene 1 protein, NSAID-regulated ge
<b>Description</b>	GDF15 D-variant (His substitutes Asp at position 7) Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, Polypeptide chain containing 2x113 amino acids and having a molecular mass of 24.5kDa. The GDF15 D-variant is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	
<b>Amino Acid Sequence</b>	MARNGDDCPL GPGRCCLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIK-TSLHRLK PDTVPAPCCV PASYNPMVLI QKTDGTGVSQ TYDDLAKDC HCI.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GDF15 D-variant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	GDF15 D-variant is lyophilized without additives. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized GDF15 D-variant in sterile 5mM AcOH (acetic Acid) at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**