

Specifications:

Gene:	hGDF15
Accession:	NP_004855.2
Insert size:	940bp
Concentration:	10µg at 0.2µg/µL

**hGDF-15 cDNA
Plasmid**

GDF15 growth differentiation factor 15 [*Homo sapiens* (human)]

Also known as: PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15

Summary:

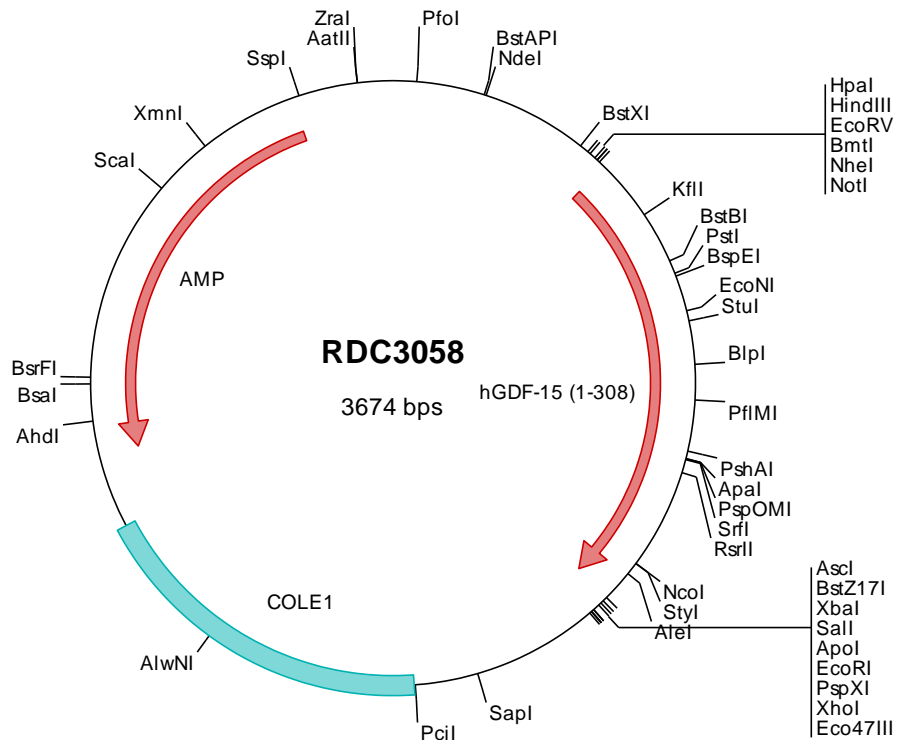
GDF-15 is a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. GDF-15 is proteolytically processed to generate each subunit of the disulfide-linked homodimer. It is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress response program of cells after cellular injury. Increased GDF-15 levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3058 Plasmid DNA Sequence

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> RDC3058 Translated Insert Sequence

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