

Specifications:

Gene:	hGDF10
Accession:	NP_004953
Insert size:	1450bp
Concentration:	10µg at 0.2µg/µL

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.

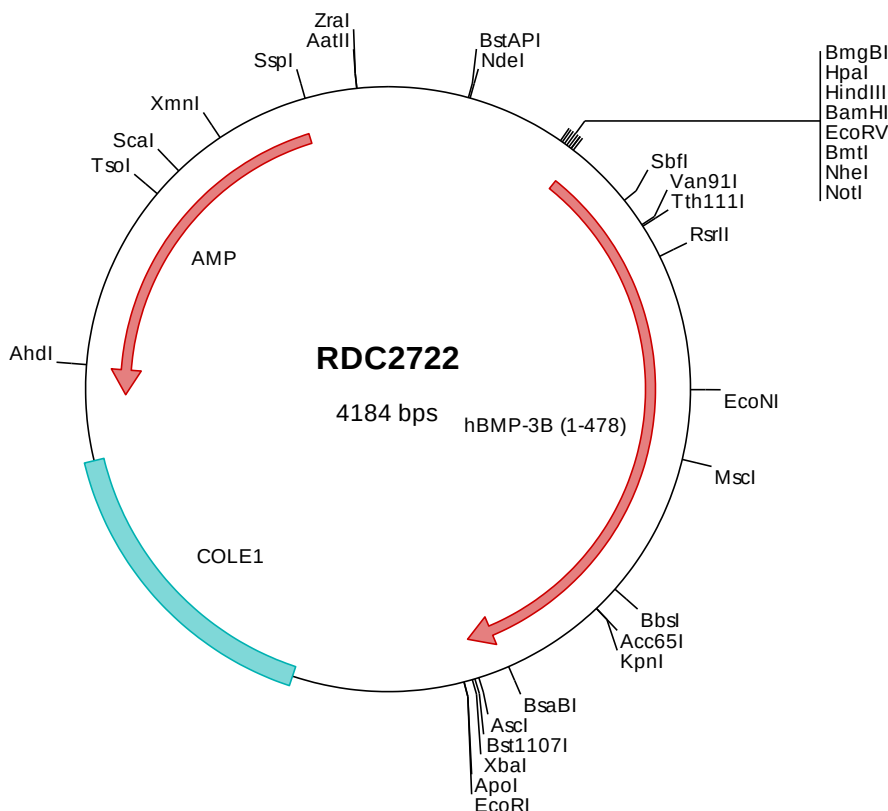
hBMP-3b/GDF-10 cDNA Plasmid

GDF10 growth differentiation factor 10 [*Homo sapiens* (human)]

Also known as: BIP; BMP3B; BMP-3b

Summary:

GDF-10 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. The preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This promotes neural repair after stroke. Additionally, GDF10 may act as a tumor suppressor and reduced expression of GDF10 is associated with oral cancer.



> RDC2722 Plasmid DNA Sequence

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> RDC2722 Translated Insert Sequence

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