

Specifications:

Gene:	hTGFB1
Accession:	NP_000651
Insert size:	1185bp
Concentration:	10µg at 0.2µg/µL

**hTGF-β1 cDNA
Plasmid**

TGFB1 transforming growth factor beta 1 [*Homo sapiens* (human)]

Also known as: CED; LAP; DPD1; TGFB; TGFbeta

Summary:

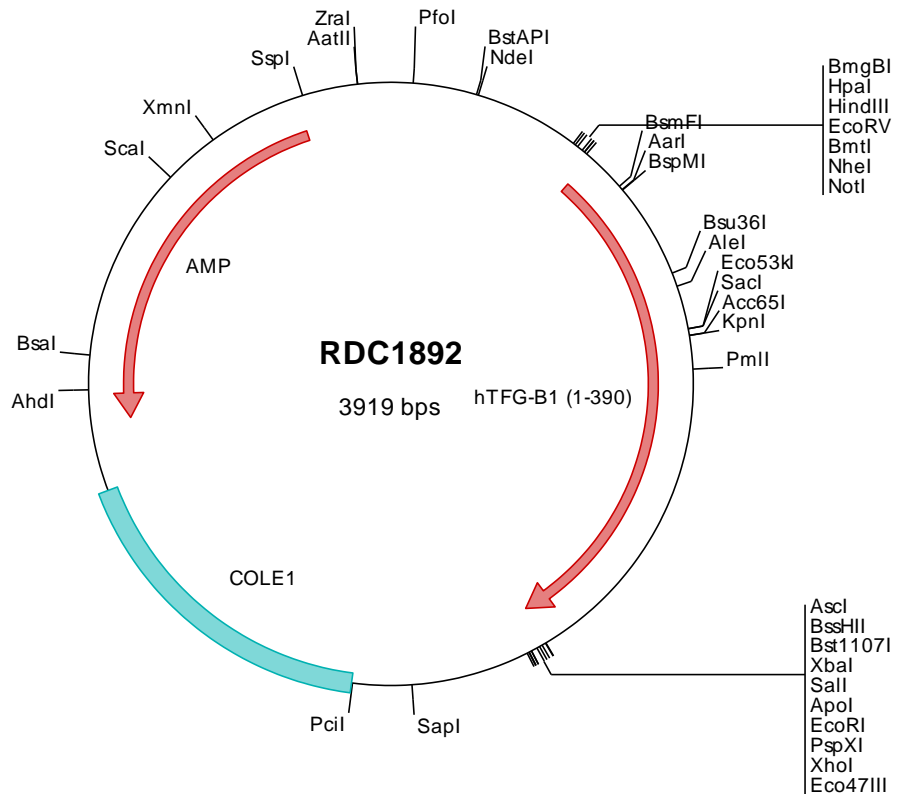
TGF-B1 is a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors. TGF-B1 regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. It is frequently upregulated in tumor cells, and mutations in TGF-B1 result in Camurati-Engelmann disease.

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

> RDC1892 Plasmid DNA Sequence

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> RDC1892 Translated Insert Sequence

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