

Specifications:

Gene:	hTGFB2
Accession:	NP_003229.1
Insert size:	1258bp
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.

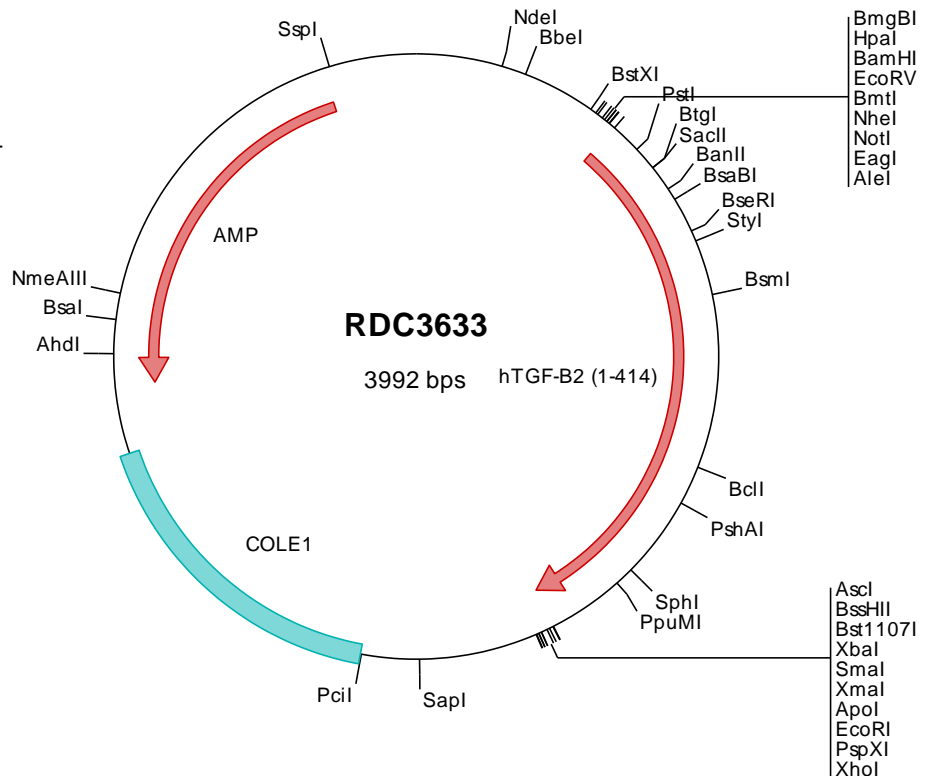
hTGF-β2 cDNA Plasmid

TGFB2 transforming growth factor beta 2 [*Homo sapiens* (human)]

Also known as: LDS4; G-TSF; TGF-beta2

Summary:

TGF-beta 2 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. TGF-beta 2 is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. Disruption of the TGF-beta/SMAD pathway has been implicated in a variety of human cancers.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3633 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201 ccgcacacgat gcgtaagggg aaaatacccc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgccccct tcttcctat
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> RDC3633 Translated Insert Sequence

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