

Specifications:

Gene:	mTgfbi
Accession:	NP_033395.1
Insert size:	2065bp
Concentration:	10µg at 0.2µg/µL

mβIG-H3 cDNA Plasmid

Tgfbi transforming growth factor, beta induced [*Mus musculus* (house mouse)]

Also known as: 68kDa; big-h3; Beta-ig; AI181842; AI747162

Summary:

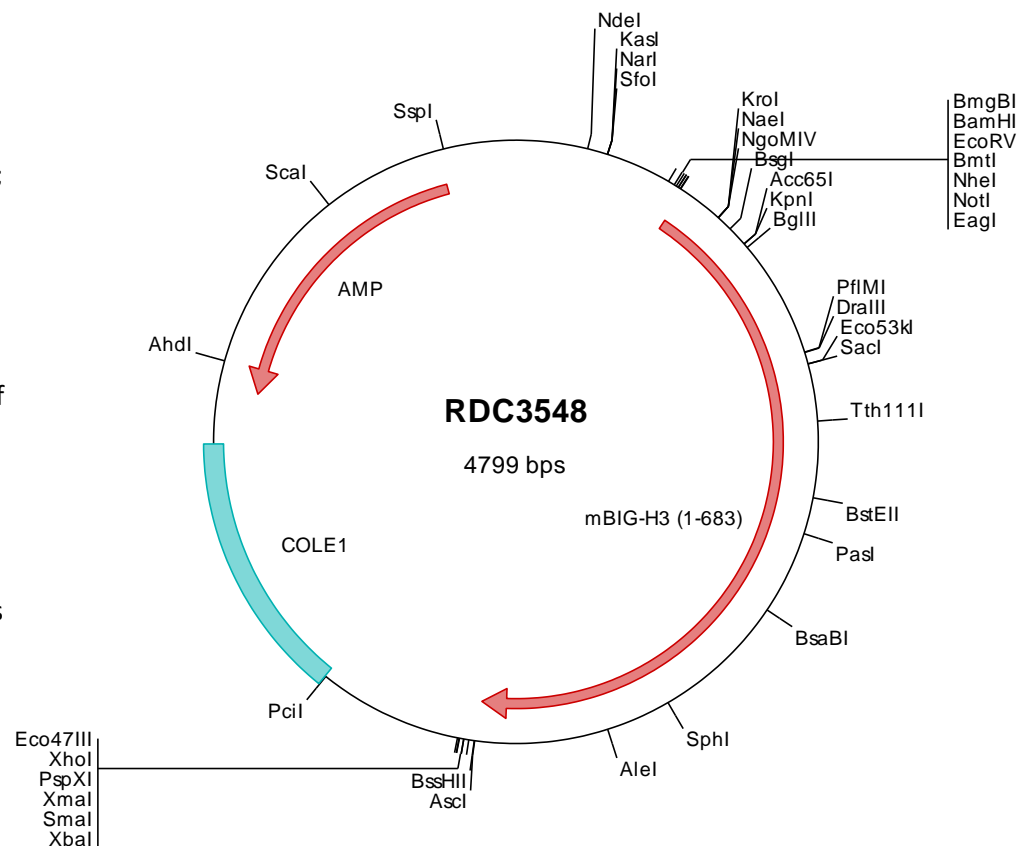
TGFBI is an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. TGFBI plays a role in cell-collagen interactions and may be involved in endochondral bone formation in cartilage. It is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in TGFBI are associated with multiple types of corneal dystrophy.

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

> RDC3548 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaaac totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC3548 Translated Insert Sequence

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