

## Specifications:

Gene:	hITGB1
Accession:	NP_002202
Insert size:	2410bp
Concentration:	10 $\mu$ g at 0.2 $\mu$ g/ $\mu$ l

## 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

**Shipping** cDNA is provided in 10 mM Tris-Cl, pH 8.5. It normally ships at ambient temperature.

**Stability & Storage** 1 year upon receipt when stored at -20 to -80° C  
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

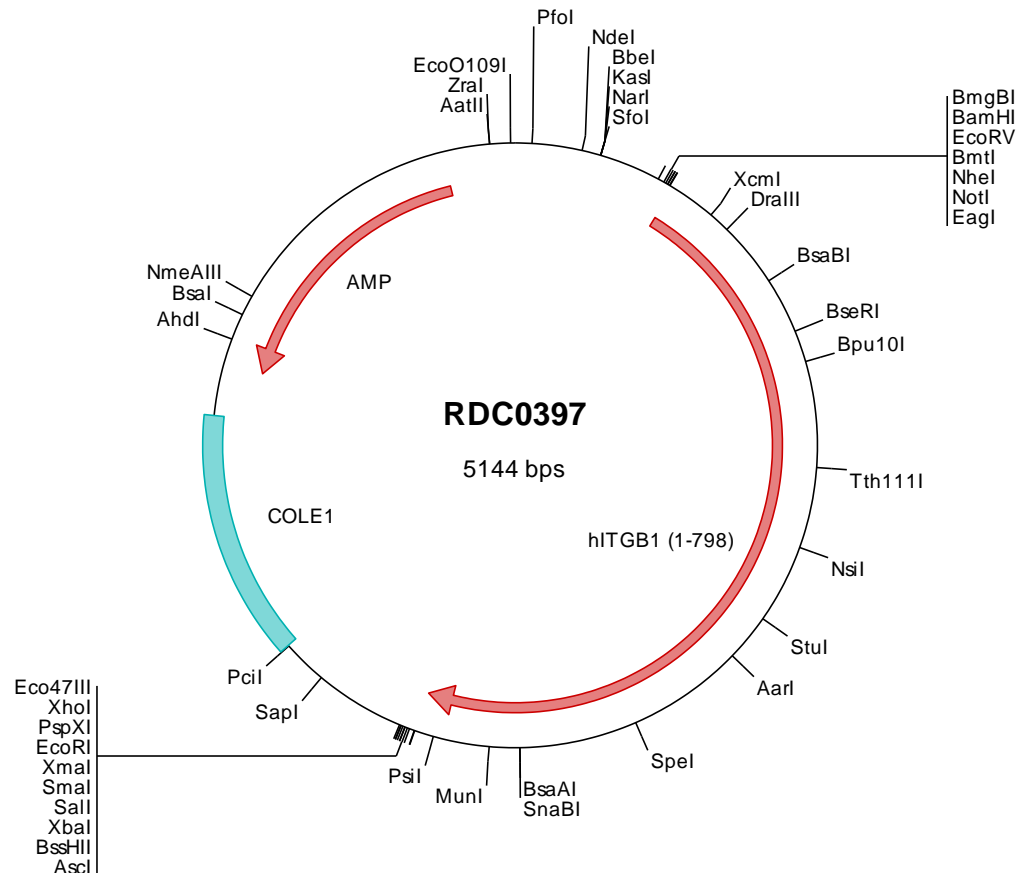
## hIntegrin $\beta$ 1 cDNA Plasmid

**ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) [ *Homo sapiens* ]**

**Also known as:** CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA

### Summary:

Integrins are heterodimeric proteins made up of alpha and beta subunits. They function as cell-extracellular matrix adhesion proteins and have been implicated in tumor progression. EGF treatment up-regulates ITGB1 mRNA and protein levels in ovarian cancer cells. Overexpression of ITGB1 is also sufficient to promote ovarian cancer cell invasion. In ovarian tumors, elevated ITGB1 expression correlates with high clinical stage and poor patient survival.





> RDC0397 Plasmid DNA Sequence

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> RDC0397 Translated Insert Sequence

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