

## Specifications:

Gene:	<i>cynoITGB6</i>
Accession:	XP_015287763
Insert size:	2380bp
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

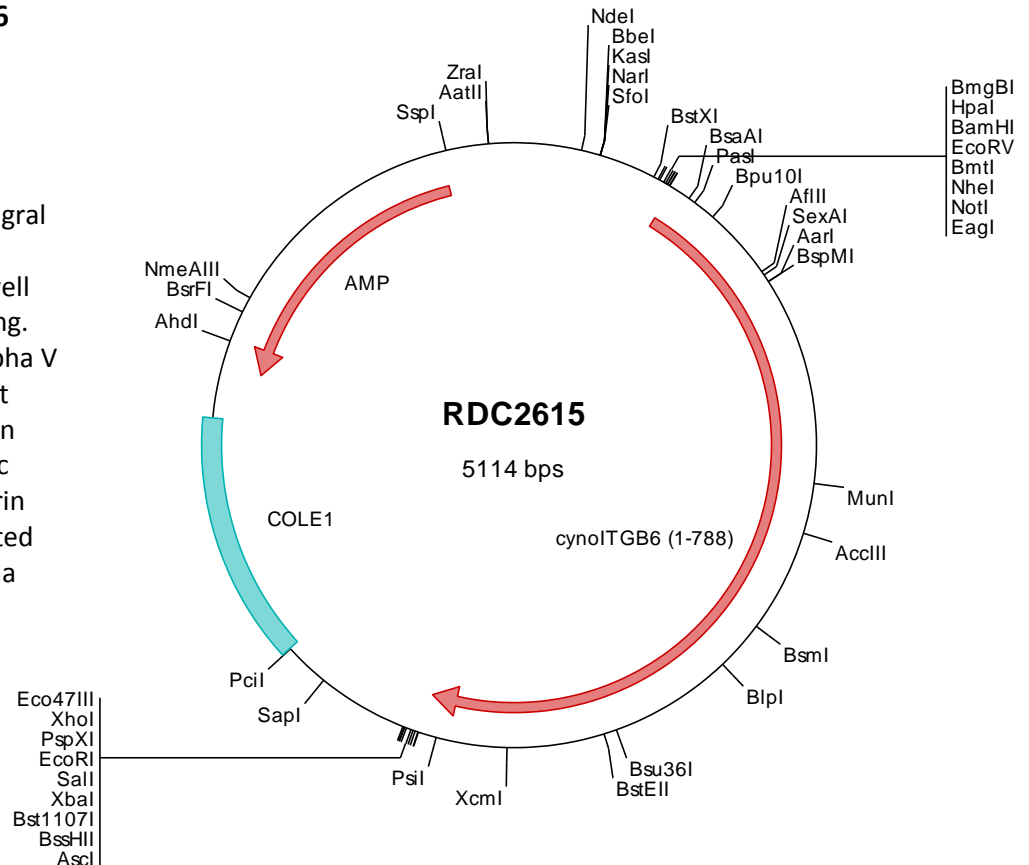
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

## cynoIntegrin β6 cDNA Plasmid

**ITGB6 integrin subunit beta 6**  
[ *Macaca fascicularis* (crab-eating macaque) ]

### Summary:

Integrins are heterodimeric integral membrane proteins known to participate in cell adhesion as well as cell-surface mediated signaling. ITGB6 forms a dimer with an alpha V chain and binds to fibronectin. It also can bind TGF-β serving as an upstream activator in pancreatic cancer. Internalization of integrin alphaVbeta6 via clathrin-mediated endocytosis promotes carcinoma cell invasion.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2615 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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> RDC2615 Translated Insert Sequence

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