

Specifications:

Gene:	<i>cynoITGB5</i>
Accession:	XP_005547990
Insert size:	2413bp
Concentration:	10 μ g at 0.2 μ g/ μ 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

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.

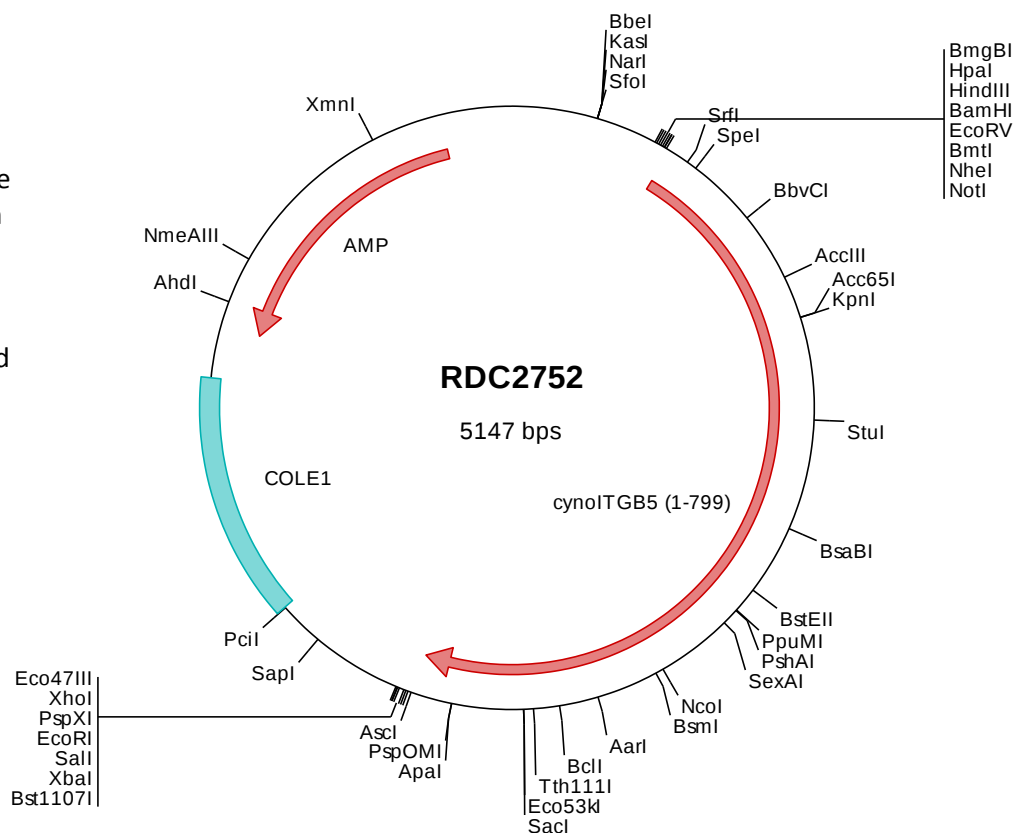
cynoIntegrin $\beta 5$ cDNA Plasmid

ITGB5 integrin subunit beta 5

[*Macaca fascicularis* (crab-eating macaque)]

Summary:

Integrins are integral cell-surface proteins known to participate in cell adhesion as well as cell-surface mediated signaling. ITGB5 is the integrin beta chain that forms a non-disulfide-linked heterodimer with integrin alpha V. Integrin alphaVbeta5 is a receptor for vitronectin and is expressed on a wide variety of cell types including keratinocytes, fibroblasts, adhesive monocytes, and select endothelium. ITGB5 may play a critical role in the tumorigenic potential of breast carcinoma cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2752 Plasmid DNA Sequence

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> RDC2752 Translated Insert Sequence

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