

Specifications:

Gene:	cynoITGA5
Accession:	unique
Insert size:	3163bp
Concentration:	10µg at 0.2µg/µL

**cynoITGA5/CD49e
cDNA Plasmid**

ITGA5 integrin subunit alpha 5
[*Macaca fascicularis* (crab-eating macaque)]

Summary:

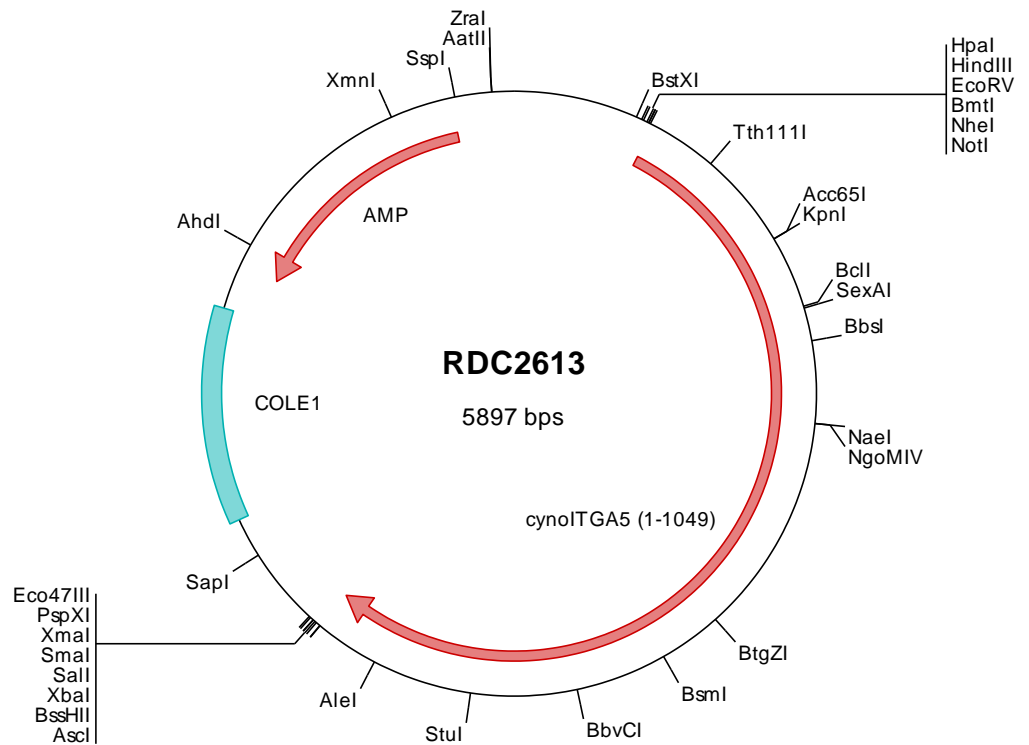
Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. They are known to participate in cell adhesion as well as cell-surface mediated signaling. ITGA5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with the beta 1 subunit to form a fibronectin receptor. Integrin alpha5beta1 may be involved in regulating the metastatic and invasive potential of tumor cells.

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

> RDC2613 Plasmid DNA Sequence

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1 tcgcgccggtt cggatgatgac ggtgaaaac tctgacacat gcagctccc gagagcgtca cagcttctct gtaagcggat gccgggagca gacaagcccc
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> RDC2613 Translated Insert Sequence

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