

## Specifications:

Gene:	hITGA9
Accession:	NP_002198
Insert size:	3121bp
Concentration:	10 $\mu$ g at 0.2 $\mu$ g/ $\mu$ L

## hIntegrin $\alpha$ 9 cDNA Plasmid

ITGA9 integrin, alpha 9  
[ *Homo sapiens* (human) ]

Also known as: RLC; ITGA4L;  
ALPHA-RLC

### Summary:

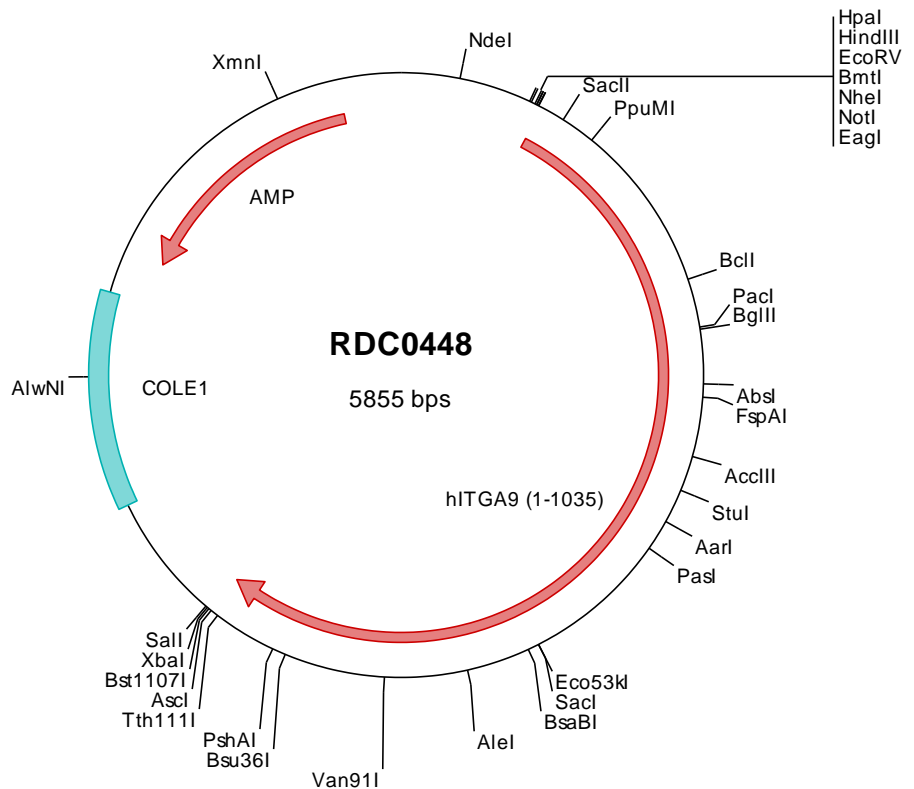
Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. ITGA9 belongs to the integrin alpha chain family and binds to the beta 1 chain to form receptors for VCAM1, cytotactin and osteopontin. Integrin alpha9beta1 may play a key role in modulation of tumor behavior including enhanced cell migration and expression of matrix-degrading proteases. Expression of this gene has been found to be upregulated in small cell lung cancers.

## 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.





> RDC0448 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
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401 ggagacgtgt taacaagcctt ggatccgata tccgtagcgc ggcgcgccacc atgggtgccc cagctgcgccc gagggggccc gggaggtccc gcgcgctgct
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> RDC0448 Translated Insert Sequence

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