

Specifications:

Gene:	hITGA3
Accession:	NP_002195
Insert size:	3169bp
Concentration:	10 μ g at 0.2 μ g/ μ l

hIntegrin α 3 cDNA Plasmid

ITGA3 integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) [*Homo sapiens*]

Also known as: VL3A; CD49C; GAPB3; MSK18; VCA-2; VLA3a; GAP-B3

Summary:

Integrins are heterodimeric integral cell-surface proteins composed of an alpha and a beta chain known to participate in cell adhesion as well as cell-surface mediated signaling. ITGA3, the integrin alpha 3 subunit, undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with a beta 1 subunit. Integrin alpha3beta1 is a cell surface adhesion molecule that functions as a receptor for laminin, fibronectin, collagen, epiligrin, thrombospondin, and CSPG4. ITGA3 may be involved in regulating the metastatic and invasive potential of tumor cells.

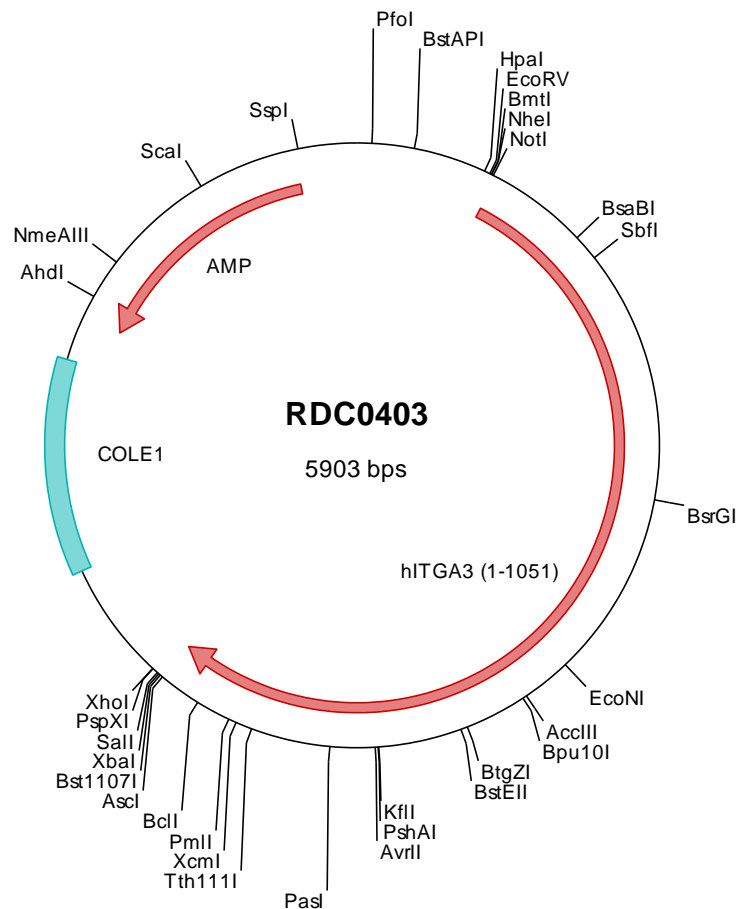
Description

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

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0403 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaacc tetgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC0403 Translated Insert Sequence

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