

Specifications:

Gene:	<i>h</i> ITGA8
Accession:	NP_003629
Insert size:	3205bp
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.

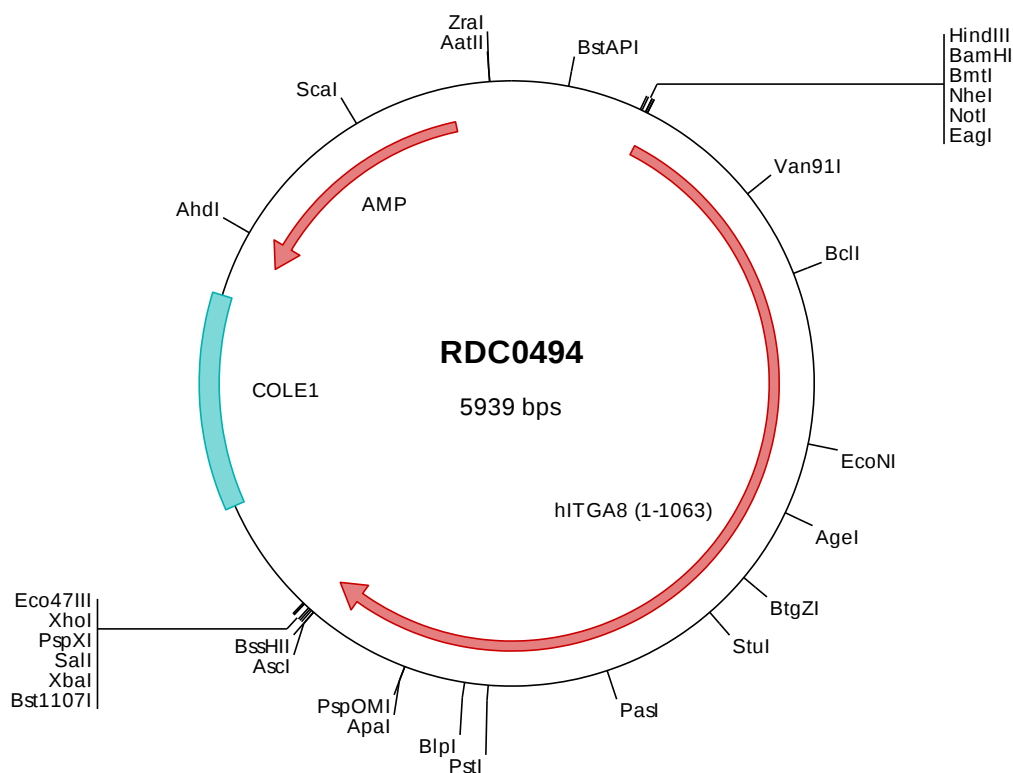
*h*Integrin α 8 cDNA Plasmid

ITGA8 integrin, alpha 8

[*Homo sapiens* (human)]

Summary:

Integrins are surface glycoproteins that mediate cell-cell and cell-extracellular matrix interactions. ITGA8 is composed of a heavy and a light chain linked by a disulfide bond and associates with beta 1 to bind to several ligands including TNC, FN1, SPP1, TGFB1, TGFB3, VTN, and NPNT. Alpha8beta1 is predominantly expressed in smooth muscle and other contractile cells in adult tissues, and in mesenchymal and neural cells during development. Expression of ITGA8 is upregulated during the development of fibrosis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0494 Plasmid DNA Sequence

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> RDC0494 Translated Insert Sequence

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