

Specifications:

Gene:	<i>mltga2b</i>
Accession:	NP_034705
Insert size:	3115bp
Concentration:	10 μ g at 0.2 μ g/ μ L

mIntegrin α 2B cDNA Plasmid

Itga2b integrin alpha 2b [*Mus musculus* (house mouse)]

Also known as: CD41; CD41B; GpIIb; AI172977; alphallb

Summary:

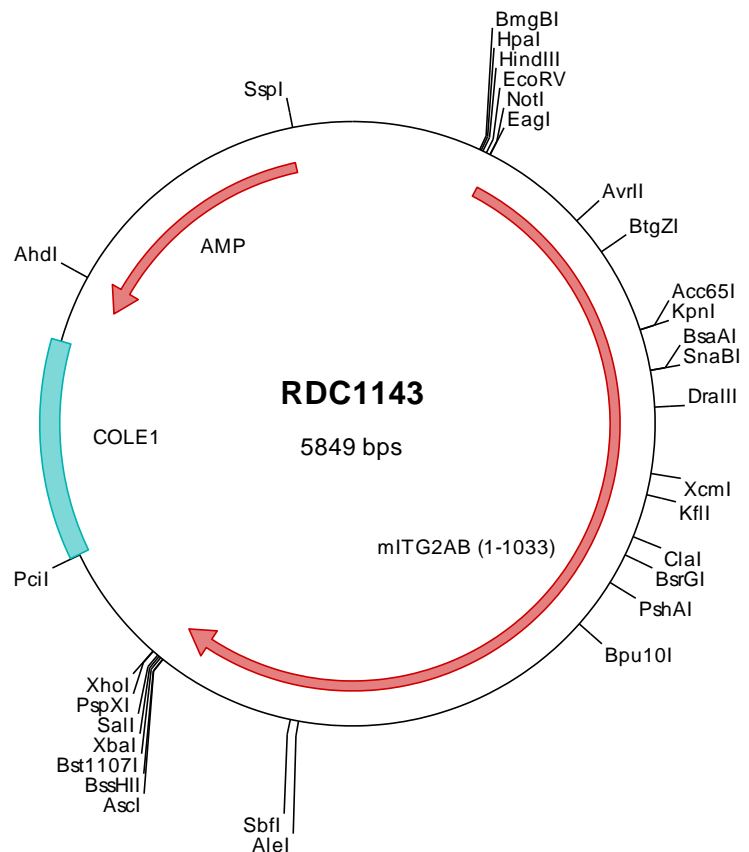
Integrins are heterodimeric integral cell-surface proteins composed of an alpha and a beta chain known to participate in cell adhesion as well as cell-surface mediated signaling. ITGA2B undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta-3 to form a fibronectin receptor expressed in platelets that play a crucial role in coagulation. Mutations that interfere with this role may result in Glanzmann thrombasthenia.

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.





> RDC1143 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atocaggcgc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
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> RDC1143 Translated Insert Sequence

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