

Specifications:

Gene:	<i>mltgam</i>
Accession:	NP_032427
Insert size:	3475bp
Concentration:	10 μ g at 0.2 μ g/ μ L

**mIntegrin α M cDNA
Plasmid**

Itgam integrin alpha M [*Mus musculus* (house mouse)]

Also known as: CR3; CR3A; MAC1; Cd11b; Ly-40; Mac-1; Mac-1a; CD11b/CD18; F730045J24Rik

Summary:

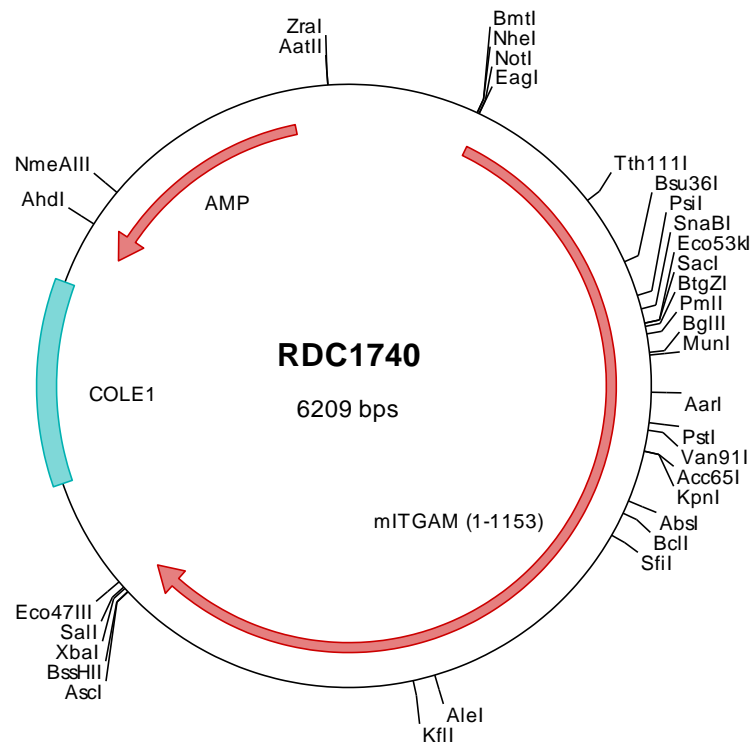
Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. ITGAM is the α subunit of the α M/ β 2 integrin. This integrin is a cellular receptor for leukocidin A/B (LukAB), an important toxin that contributes to *S. aureus* killing of human neutrophils. Increased levels of MCP-1, TNF-alpha, hs-CRP, and ITGAM expression on the monocytes of morbidly obese individuals may link obesity with systemic inflammation and metabolic disorders. A variant of ITGAM is one of the strongest genetic susceptibility factors for the development of human systemic lupus erythematosus.

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

