

Specifications:

Gene:	mFcer1a
Accession:	NP_034314
Insert size:	766bp
Concentration:	10µg at 0.2µg/µL

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.

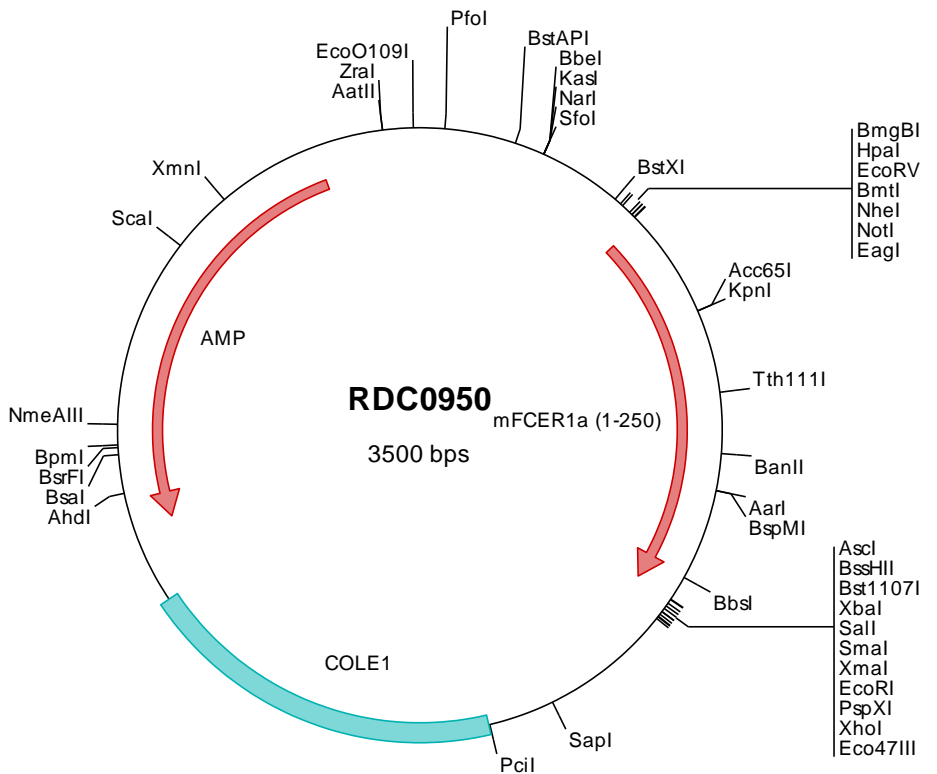
mFc epsilon RI alpha cDNA Plasmid

Fcer1a Fc receptor, IgE, high affinity I, alpha polypeptide
[*Mus musculus* (house mouse)]

Also known as: FcERI; Fce1a; Fcr-5; fcepsilonri

Summary:

FCER1A is a type I transmembrane glycoprotein of the multichain immune recognition (MIRR) family. FCER1A is the alpha subunit of the high affinity IgE receptor. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for initiating the allergic response. FCER1A is expressed in bone marrow mast cells and exhibits night/day variations with an increased expression at night in the pineal gland.





> RDC0950 Plasmid DNA Sequence

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1   tcgcgcggtt  cggatgatgac  ggtgaaaacc  tetgacacat  gcagctcccg  gagacggtea  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC0950 Translated Insert Sequence

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