

Specifications:

Gene:	<i>mRaet1e</i>
Accession:	NP_937836.1
Insert size:	769bp
Concentration:	10µg at 0.2µg/µL

mRae-1 epsilon/ **ULBP-4 cDNA Plasmid**

Raet1e retinoic acid early
transcript 1E [*Mus musculus*
(house mouse)]

Summary:

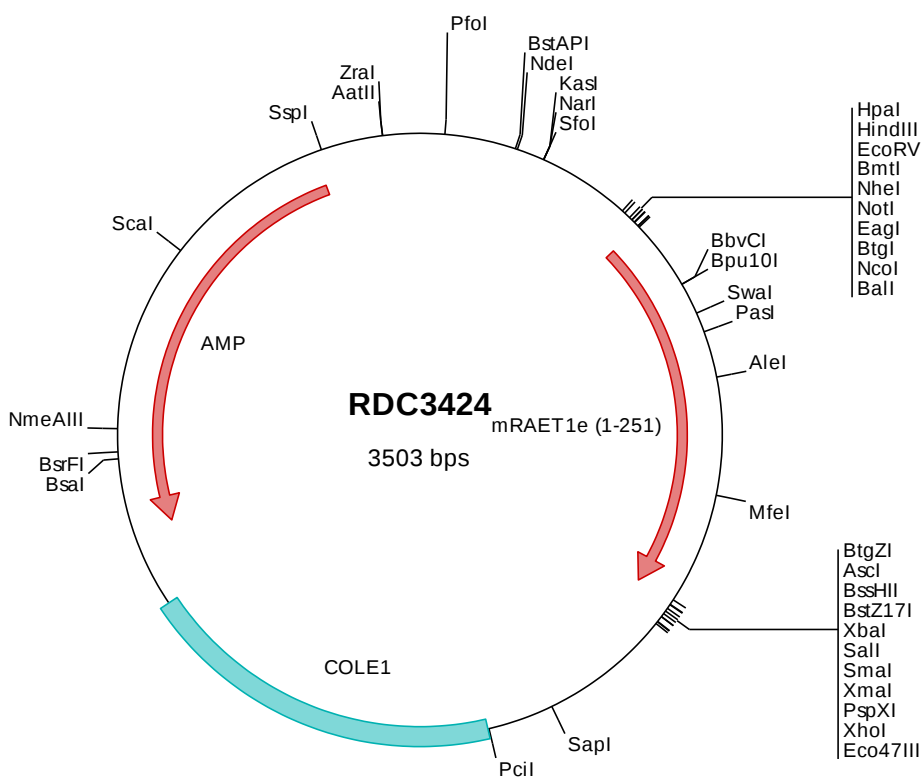
RAET1E belongs to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24.2-q25.3. RAET1E and RAET1G protein differ from other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. It functions as a ligand for NKG2D receptor, which is expressed on the surface of several types of immune cells, and is involved in innate and adaptive immune responses.

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.



> RDC3424 Plasmid DNA Sequence

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1   tcgcgcgttt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
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> RDC3424 Translated Insert Sequence

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