

Specifications:

Gene:	mNKG2D
Accession:	NP_149069
Insert size:	712bp
Concentration:	10µg at 0.2µg/µL

mNKG2D cDNA Plasmid

Klrk1 killer cell lectin-like receptor subfamily K, member 1 [*Mus musculus* (house mouse)]

Also known as: Nkg2d; NKG2-D

Summary:

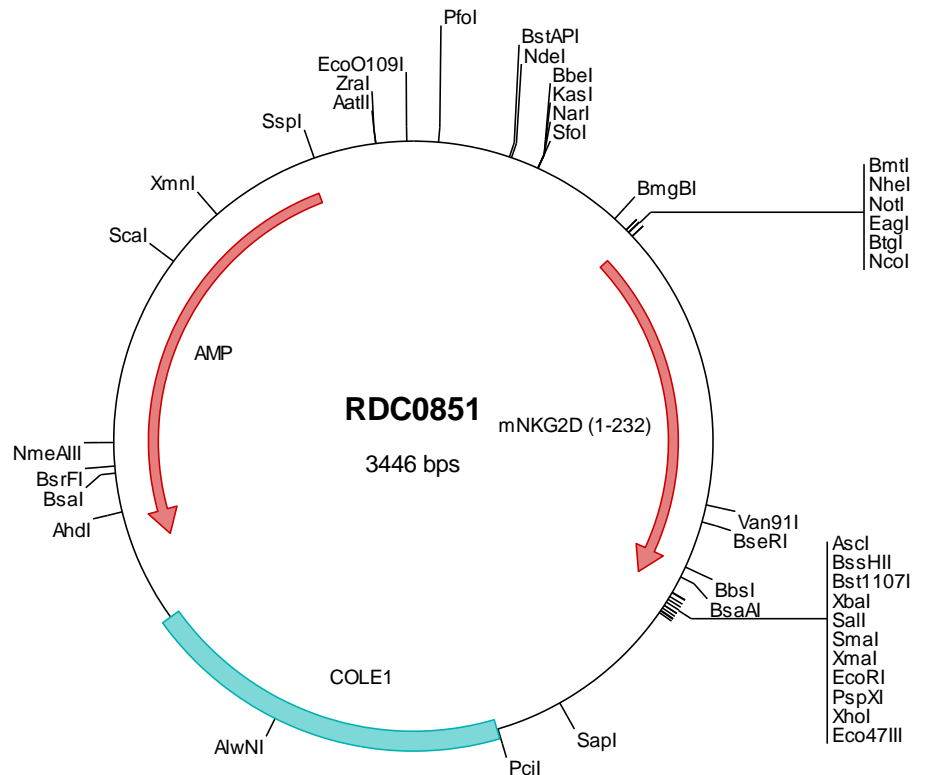
NKG2D is an activating coreceptor on Ag-experienced CD8 T cells that promotes effector cell functions. It plays a role in host defense against tumors and viral infections, as well as in autoimmune diseases. NKG2D enhances IL-15-mediated PI3K signaling of activated CD8 T cells and may be an important target as a therapeutic reagent in several autoimmune diseases.

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.





> RDC0851 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg ctttaactat cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttcccgatc acgacgttgc aaaacgacgg ccagtgaatt
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501 ccataaatac gacotcaagc cagcaaatg ggatactct caagaacaac agaacaagc attagcacta actaccagtc aacctggaga gaatggatc
601 ataagaggaa gataccctat agagaaactc aagatatctc caatgttctg tgttcgagtc cttgctatag ccttggcaat tcgattcacc cttaacacat
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3301 cggatacata tttgaatgta tttagaaaaa taacaaataa ggggttccgc gcacatttcc ccgaaaagtg ccacctgagc tctaagaaac cattattatc
3401 atgacattaa cctataaaaa taggcgtatc acgagccctc ttcctc
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> RDC0851 Translated Insert Sequence

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201 pkgscavygs sfkaytedca nlntyicmkr av
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