

## Specifications:

Gene:	hKLRK1
Accession:	NP_031386
Insert size:	664bp
Concentration:	10µg at 0.2µg/µL

## hNKG2D/CD314 cDNA Plasmid

**KLRK1 killer cell lectin like  
receptor K1 [ *Homo sapiens*  
(human) ]**

**Also known as:** KLR; CD314;  
NKG2D; NKG2-D; D12S2489E

### Summary:

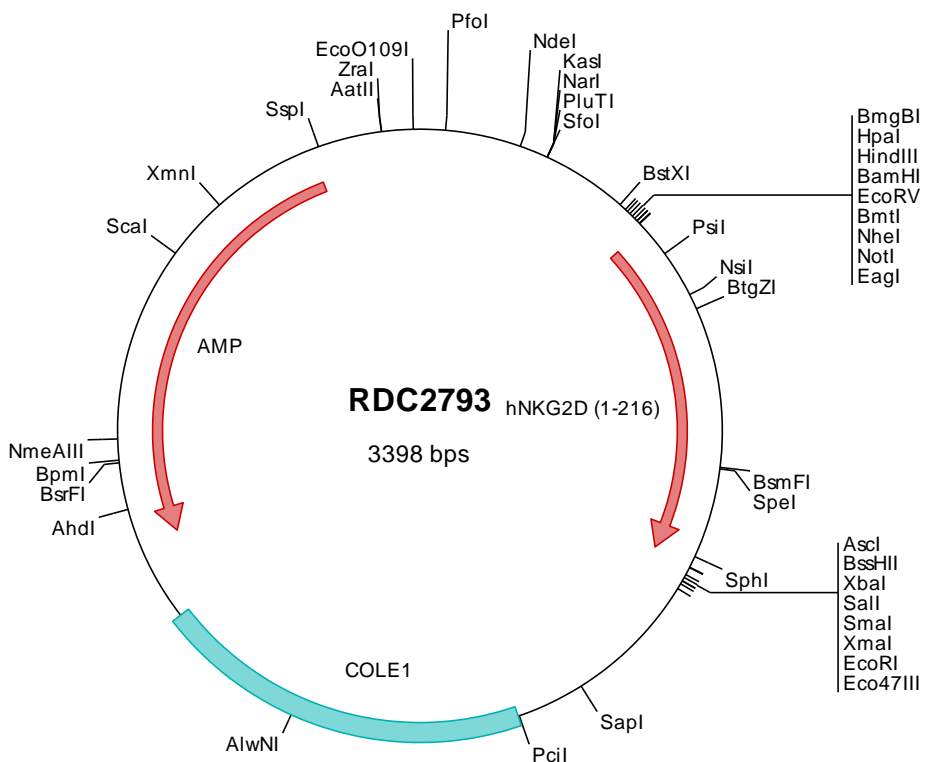
NKG2D is an activating coreceptor on Ag-experienced CD8 T cells that promotes effector cell functions. It plays a role in host defense against tumors and viral infections, as well as in autoimmune diseases. NKG2D enhances IL-15-mediated PI3K signaling of activated CD8 T cells and may be an important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



> RDC2793 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccc
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> RDC2793 Translated Insert Sequence

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201  encstpntyi  cmqrvt

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