

**Specifications:**

Gene:	mNrros
Accession:	NP_001334110
Insert size:	2095bp
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.

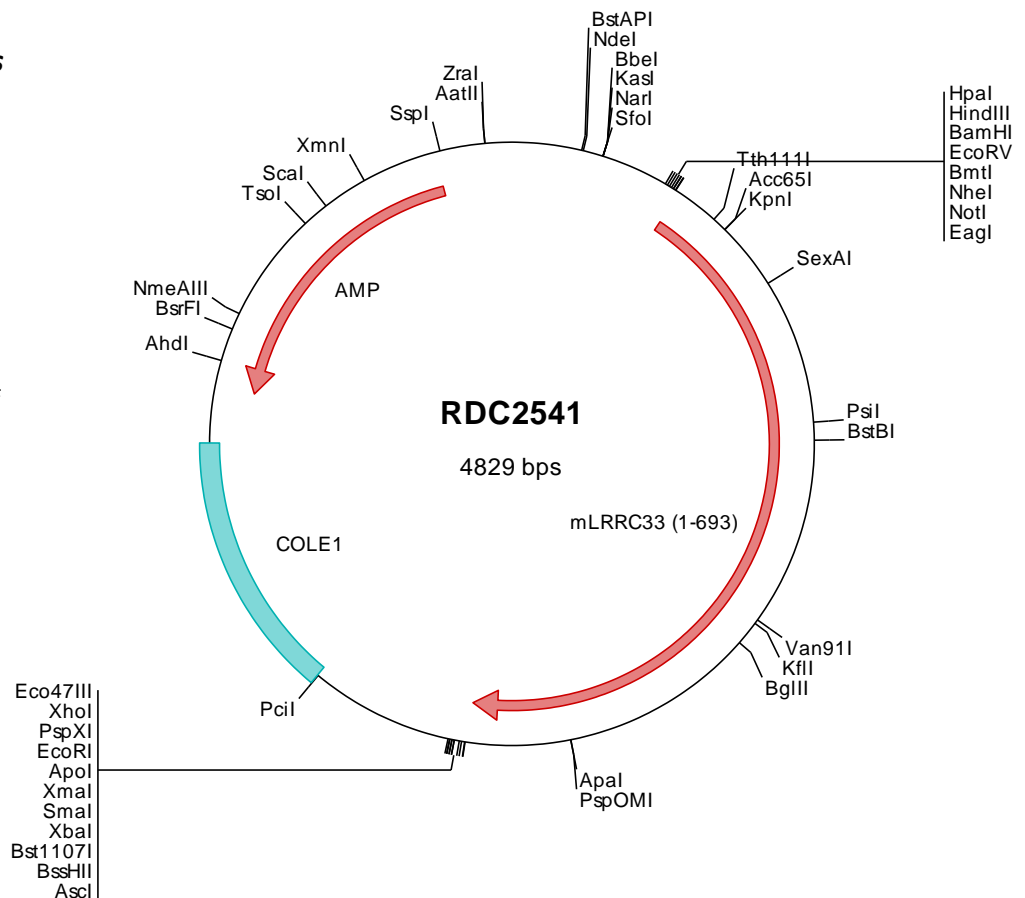
**mLRRC33 cDNA  
Plasmid**

**Nrros negative regulator of reactive oxygen species [ *Mus musculus* (house mouse) ]**

**Also known as:** Lrcc33; Lrrc33; E430025L02Rik

**Summary:**

LRCC33 is a member of leucine-rich repeat (LRR) protein family. LRCC33 is a negative regulator of reactive oxygen species (ROS) that limits ROS production by phagocytes during inflammatory response, thereby playing a role during host defense. It acts via direct interaction with CYBB/NOX2 monomer that impairs interaction between CYBB/NOX2 and CYBA/p22-phox and formation of a stable NOX2 complex. It may also play a critical role in desensitizing TLR signaling through inhibition of Toll-like receptor-mediated NF-kappa-B activation and cytokine production.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2541 Plasmid DNA Sequence

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> RDC2541 Translated Insert Sequence

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