

Specifications:

Gene:	mNpdc1
Accession:	NP_032747
Insert size:	1012bp
Concentration:	10µg at 0.2µg/µL

**mNPDC-1 cDNA
Plasmid**

**Npdc1 neural proliferation,
differentiation and control 1**
[*Mus musculus* (house mouse)]

Also known as: NPDC-1; AI314472

Summary:

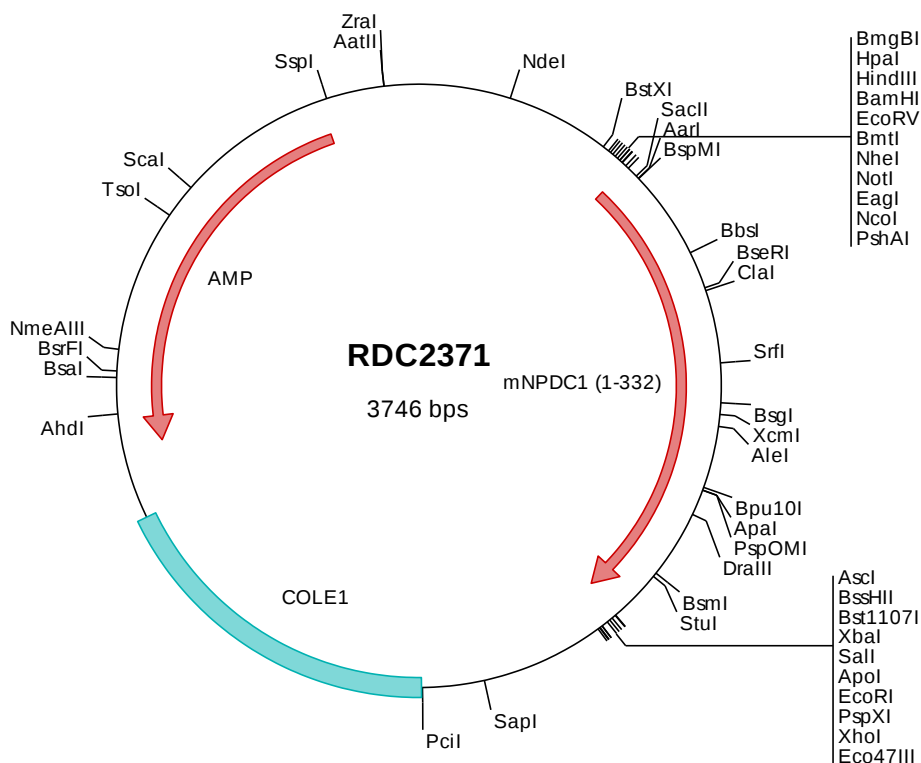
NPDC1 is a type I transmembrane protein and a member of the NPDC1/cab1 family of proteins. It is principally expressed in neurons, and serves as an anti-proliferation agent. It may accomplish this, in part, by binding to E2F-1 and blocking its protranscriptional activity.

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.



> RDC2371 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC2371 Translated Insert Sequence

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