

Specifications:

Gene:	mGrin2c
Accession:	NP_034480.2
Insert size:	3733bp
Concentration:	10µg at 0.2µg/µL

mNMDAR2C cDNA Plasmid

**Grin2c glutamate receptor,
ionotropic, NMDA2C (epsilon 3)
[*Mus musculus* (house mouse)]**

Also known as: NR2C; GluN2C;
NMDAR2C

Summary:

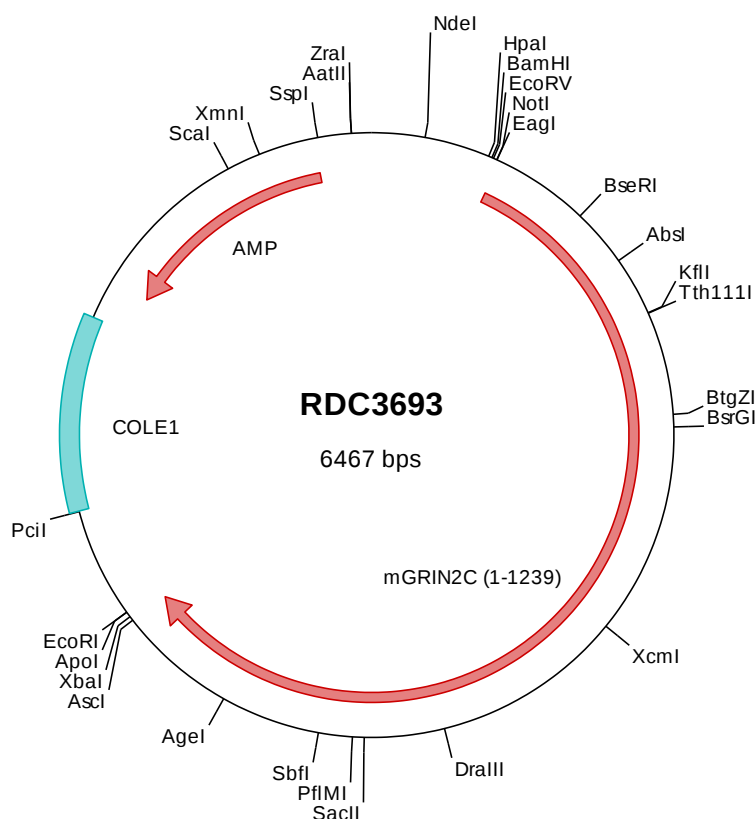
NMDAR2C enables NMDA glutamate receptor activity and transmitter-gated ion channel activity involved in regulation of postsynaptic membrane potential. It acts upstream of or within several processes, including excitatory postsynaptic potential, neuromuscular process controlling balance, and protein localization to postsynaptic membrane. NMDAR2C is located in glutamatergic synapse and is part of NMDA selective glutamate receptor complex. It is expressed in several structures, including brain, colon, eye, gallbladder, and genitourinary system.

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.



> RDC3693 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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> RDC3693 Translated Insert Sequence

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601  ksvlllwalv fnnsvpiepn rgttskimvl vwaffavifl asytanlaaf migeqyidtv sglskdkfqr sqldskdkfqr sqldskdkfqr sqldskdkfqr
701  thmvkfqnrs vedalstslkm gkladafiyda avlnymagkd egcklvitgs kvkfattggt iamqkdshw raidlallqf lgdgetqkle twvlsigichn
801  eknevmskl kldnmvgvfy mllvamlgl mlwlrhsvps sqldfllaf s rglyscfnvg qslpsparpp qslpsparpp qslpsparpp qslpsparpp
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1101  arctghacac pcqsrpscr hvaqtqslrl psyreacveg vpagvaatwq prqhvclhth thlpfcwgtv crhpppcssh spwligtwep pshrgrtlgl
1201  gtgyrdsgvl eevsreacgt qgfprstwr risslesev
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