

Specifications:

Gene:	hGRIA2
Accession:	NP_000817
Insert size:	2663bp
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.

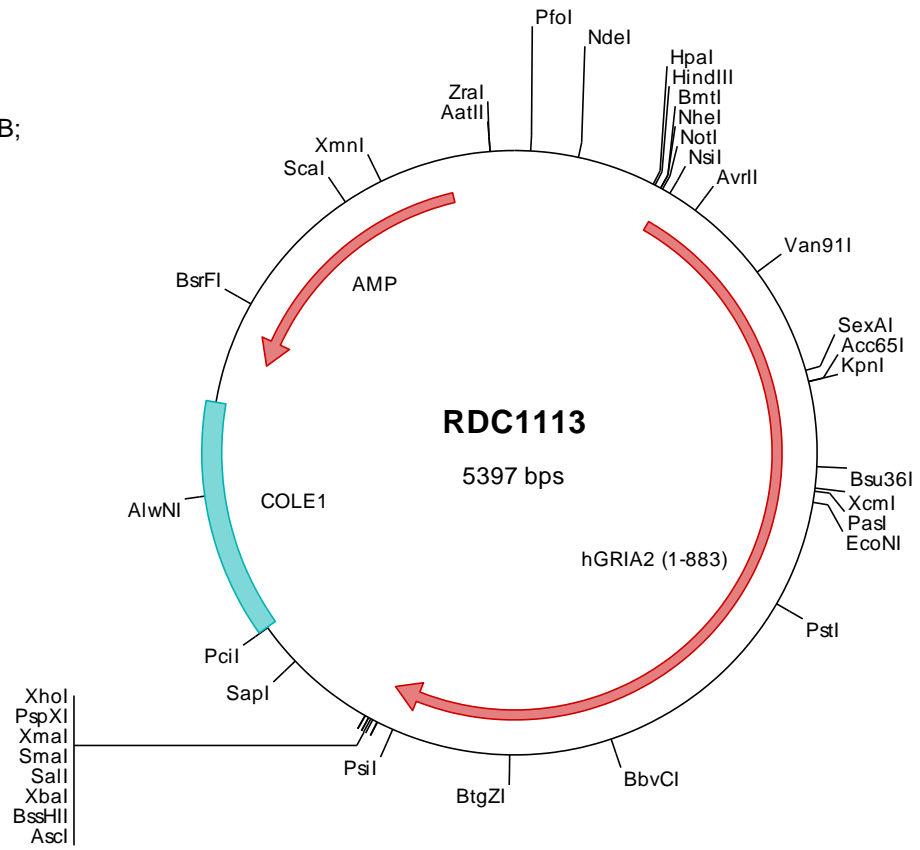
hGluR2 cDNA Plasmid

GRIA2 glutamate receptor, ionotropic, AMPA 2 [*Homo sapiens* (human)]

Also known as: GLUR2; GLURB; GluA2; HBGR2; GluR-K2

Summary:

GRIA2/GluR2 belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. AMPA receptors mediate fast excitatory synaptic transmission in the CNS and play a key role in hippocampal synaptic long-term potentiation (LTP) and depression (LTD). It is one of four AMPA receptor subunits that form a functional heterotetrameric glutamate receptor. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1113 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttctct gtaagcggat gccgggagca gacaagcccg
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> RDC1113 Translated Insert Sequence

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