

Specifications:

Gene:	hGRIK2
Accession:	NP_068775
Insert size:	2739bp
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.

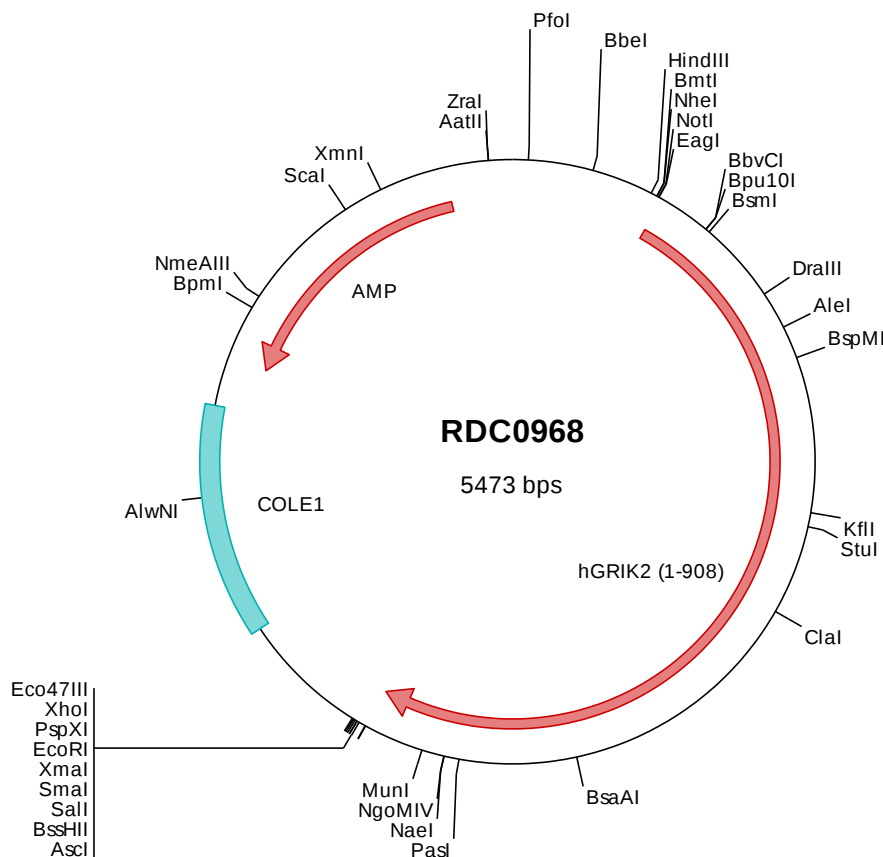
hGRIK2/GluR6 cDNA Plasmid

**GRIK2 glutamate receptor,
ionotropic, kainate 2**
[*Homo sapiens* (human)]

Also known as: EAA4; GLR6;
MRT6; GLUK6; GLUR6; GluK2

Summary:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. GRIK2 belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. Mutations in GRIK2 have been associated with autosomal recessive mental retardation. Alternatively spliced transcripts encoding different proteins have been described.





> RDC0968 Plasmid DNA Sequence

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