

Specifications:

Gene:	hGRIK3
Accession:	Q13003
Insert size:	2772bp
Concentration:	10µg at 0.2µg/µL

hGRIK3 cDNA Plasmid

**GRIK3 glutamate receptor,
ionotropic, kainate 3 [**
Homo sapiens]

Also known as: EAA5; GLR7;
GLUR7; GluK3; GluR7a

Summary:

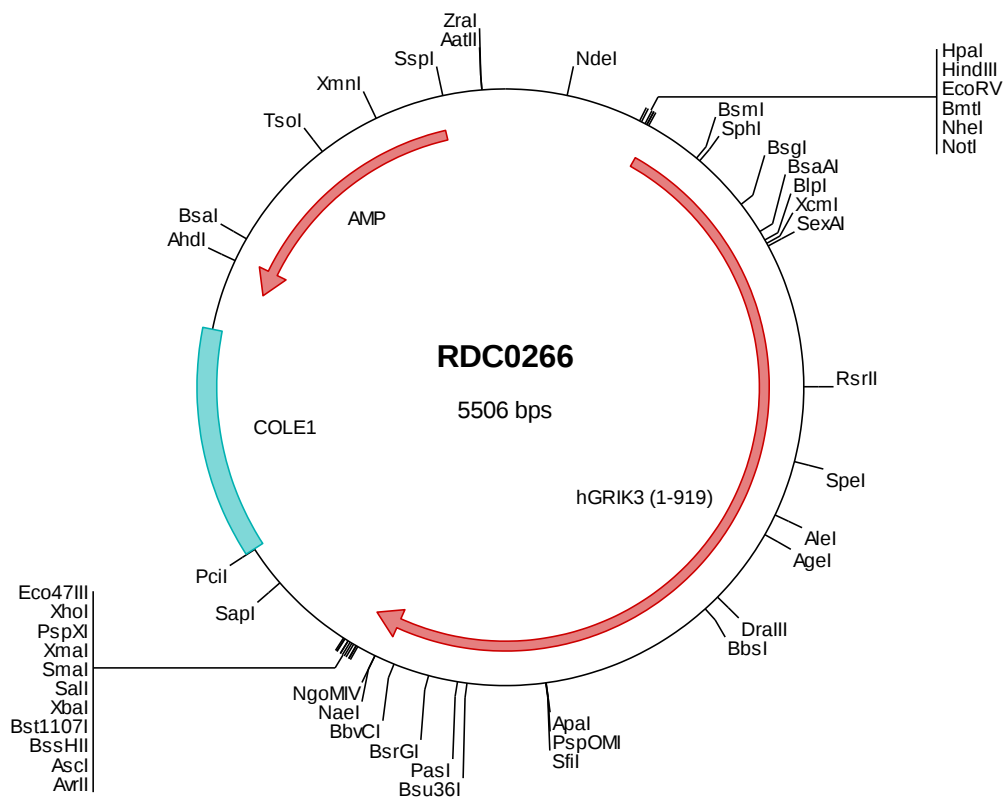
Glutamate receptors, including GRIK3, are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. GRIK3 belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. A polymorphism of GRIK3 has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics.

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.





> RDC0266 Plasmid DNA Sequence

```
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> RDC0266 Translated Insert Sequence

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