

## Specifications:

Gene:	hGRM1
Accession:	AAB05337
Insert size:	3597bp
Concentration:	10µg at 0.2µg/µL

## hmGluR1 cDNA Plasmid

**GRM1 glutamate receptor, metabotropic 1 [ *Homo sapiens* (human) ]**

**Also known as:** MGLU1; GPRC1A; MGLUR1; SCAR13

### Summary:

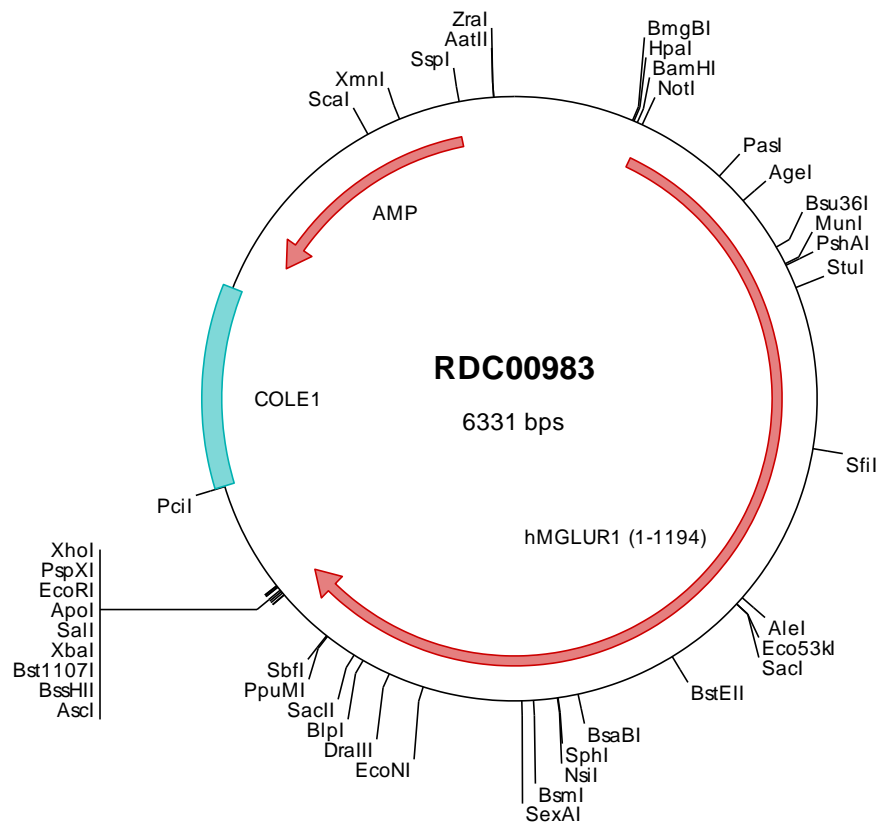
MGLUR1 is a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. Alternatively spliced transcripts encoding different proteins have been described.

## 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0983 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
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## > RDC0983 Translated Insert Sequence

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201 flrvvpsdtl qaramldivk rynwtyvsav htegnygseg mdafkelaag eglciahsk iysnageksf drllrklrer lpkarvvvcf cegmtvrgll
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