

Specifications:

Gene:	hGRM4
Accession:	NP_000832
Insert size:	2750bp
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.

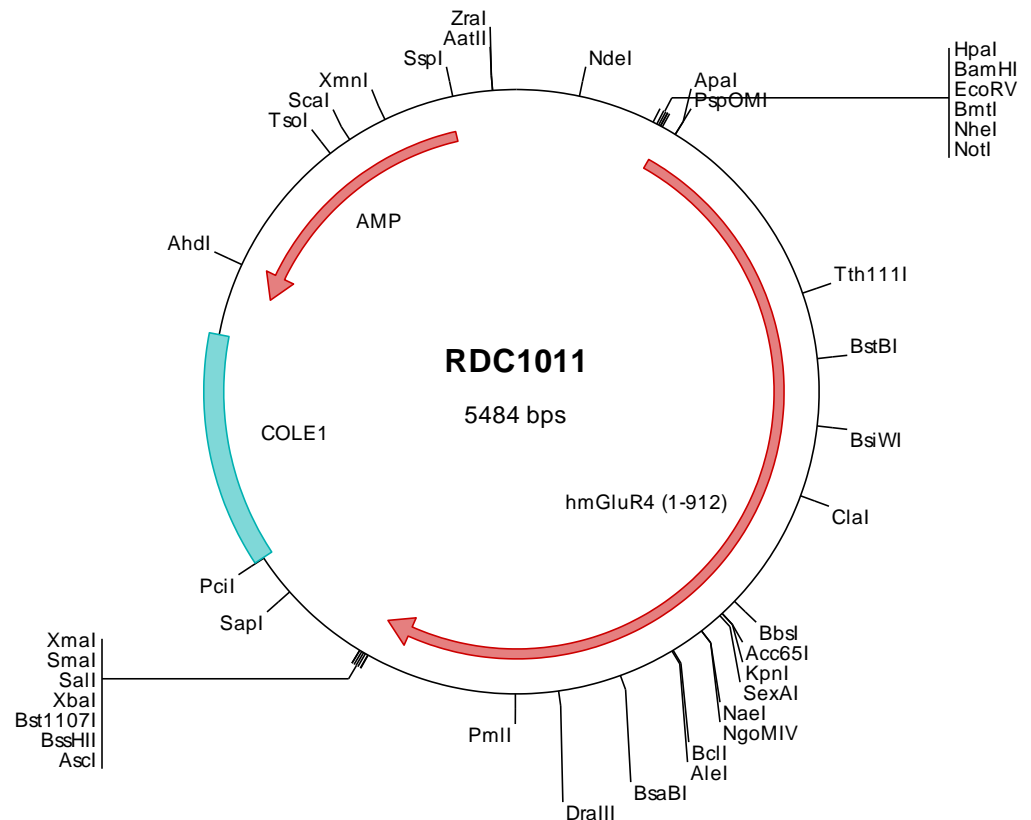
hmGluR4 cDNA Plasmid

GRM4 glutamate receptor, metabotropic 4 [*Homo sapiens* (human)]

Also known as: mGlu4; GPRC1D; MGLUR4

Summary:

MGLUR4 is a G protein-coupled receptor for glutamate and signaling inhibits adenylate cyclase activity, decreasing the formation of cAMP. 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1011 Plasmid DNA Sequence

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> RDC1011 Translated Insert Sequence

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