

Specifications:

Gene:	hDRD5
Accession:	NP_000789
Insert size:	1447bp
Concentration:	10µg at 0.2µg/µL

hDopamine D5R/DRD5 cDNA Plasmid

DRD5 dopamine receptor D5
[*Homo sapiens*]

Also known as: DBDR; DRD1B;
DRD1L2

Summary:

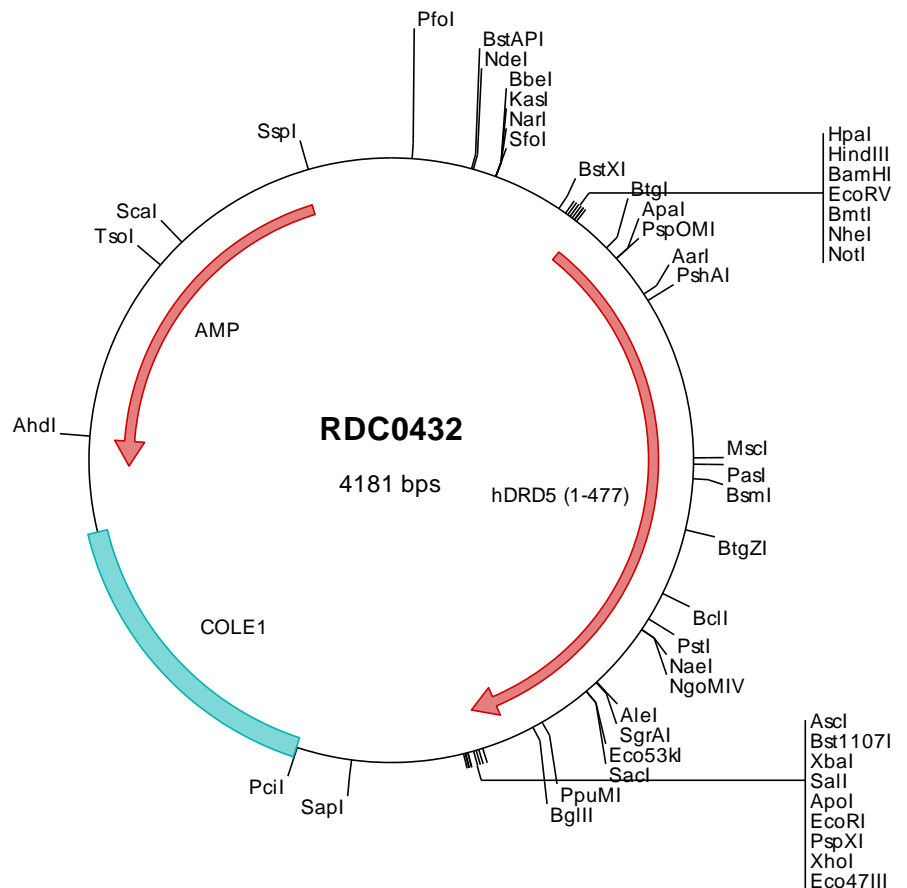
DRD5 is the D5 subtype of the dopamine receptor, a G protein-coupled receptor which stimulates adenylyl cyclase. DRD5 is expressed in neurons in the limbic regions of the brain and has a 10-fold higher affinity for dopamine than the D1 subtype. DRD5 shows a trafficking profile distinct from that of any of the other dopamine receptors. Endocytosis of DRD5 can be achieved both homologously, through direct receptor activation by agonist, and also heterologously, due to independent activation of protein kinase C (PKC).

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



> RDC0432 Plasmid DNA Sequence

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> RDC0432 Translated Insert Sequence

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