*m*GPR63 VersaClone cDNA

Catalog Number: RDC2203

Specifications:

Gene:	*m*Gpr63
Accession:	NP_109658
Insert size:	1291bp
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

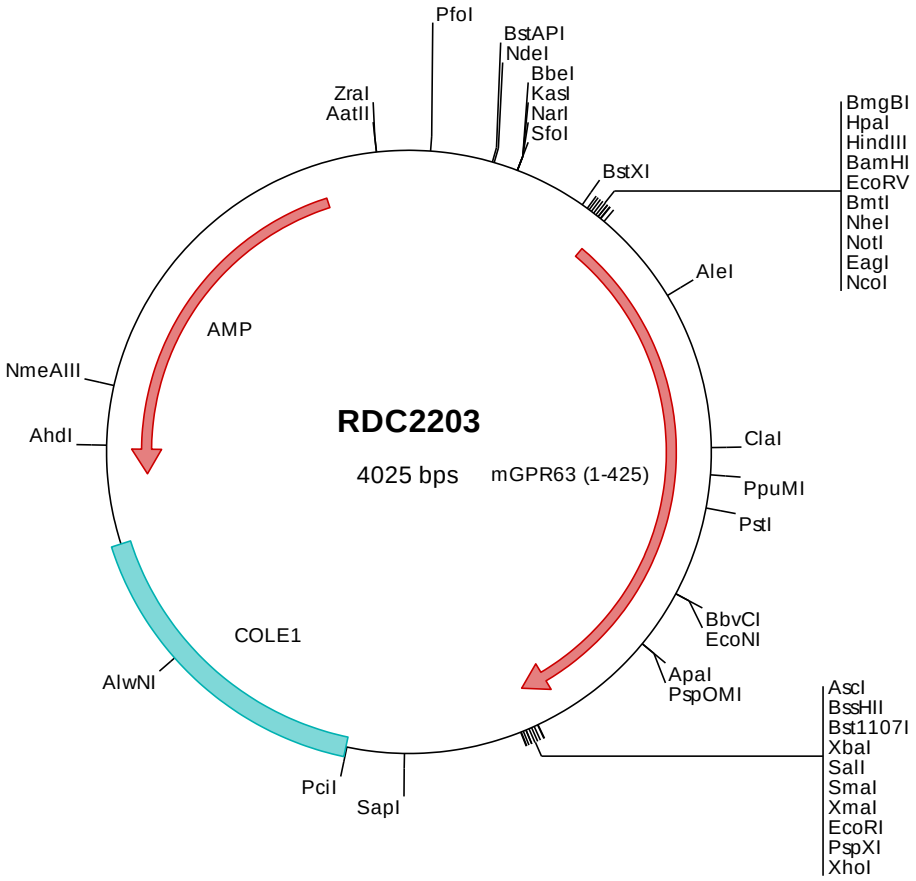
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*GPR63 cDNA Plasmid

Gpr63 G protein-coupled receptor 63 [*Mus musculus* (house mouse)]

Also known as: Psp24-2; PSP24beta

Summary:
GPR63 is a G protein-coupled receptor that may play a role in brain function. Its expression has been detected in the frontal cortex, with lower levels in the thalamus, caudate, hypothalamus and midbrain. Sphingosine 1-phosphate (S1P), dihydro-sphingosine 1-phosphate (dihydro-S1P) and dioleoylphosphatidic acid (doPA) may be agonists for this orphan GPCR.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2203 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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1701  gtgtggggaa catcggacgg tgttgtaaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc
1801  atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga
1901  gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga
2001  gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc
2101  ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg
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3601  acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc
3701  actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg
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> RDC2203 Translated Insert Sequence

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 201  akvliavswa tafsvafpla vgnpdlqips rapqcvfgyt tnsgyqayvi lislisffip flvilysfmg ilntlrhnal rihsypegic lsqasklglm
 301  slqrpfqmsi dmgfktraft tililfavfi vcwapfttys lvatfskhfy yqhnffeist wllwlcylks alnpliyywr ikkfhdacld mmpksfkflp
 401  rlpghtrrri rpsavyvcge hrtvl
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