

Specifications:

Gene:	mGpr132
Accession:	NP_064309
Insert size:	1161bp
Concentration:	10µg at 0.2µg/µL

mG2A/GPR132 cDNA Plasmid

Gpr132 G protein-coupled receptor 132 [*Mus musculus* (house mouse)]

Also known as: G2a

Summary:

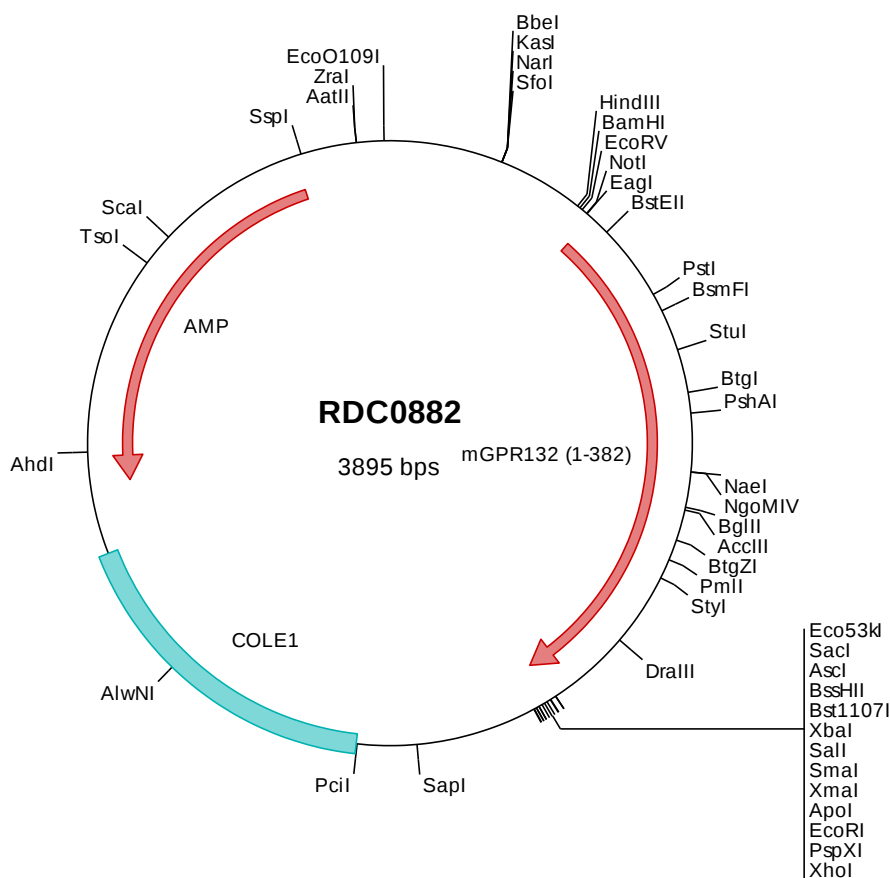
GPR132 is a member of the guanine nucleotide-binding protein G protein-coupled receptor (GPCR) superfamily. This receptor may play a role as a sensor of lysophosphatidylcholine levels at sites of inflammation and may function at the G2/M checkpoint to delay mitosis. It also may serve as a mechanism for T and B cells, and other cell types, to slow their proliferation and repair damaged DNA. GPR132 is highly expressed in macrophages and hematopoietic tissues rich in lymphocytes, such as spleen and thymus. Loss of GPR132 expression leads to the development of a late-onset autoimmune syndrome. 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.





> RDC0882 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tgcgtagcgc ggccgcaccc atgagatcag aacctaccaa tgcagcagga aacaccacac tgggggttac
501  ctccgttctt cagagcacct cagtaccttc ttctgagacc tgccacgtct cctacgagga gagcagagtg gtccgtggtg tgggtgtacag tgcgtgtgc
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> RDC0882 Translated Insert Sequence

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201  rftfgfaipl gilafnthqi frsiklsdsl saaqknkvkr saiavvtifl vcfapyhvv lvaasfsfy qgmdavcaf esrltytvmv flclstvnsv
301  adpiiyvlgt dhsrqevsri htgwkkwstk tyvtcskdse ethlpteln tytfnpnph pgsqpaklgl lcsperlpee lc

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