

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pRK5 BARK1 minigene

RRID:Addgene_14695

Type: Plasmid

Proper Citation

RRID:Addgene_14695

Plasmid Information

URL: <http://www.addgene.org/14695>

Proper Citation: RRID:Addgene_14695

Insert Name: BARK1 minigene

Organism: Bos taurus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:8119963](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The cDNA encoding bovine BARK1 residues Gly495 to Leu689 was amplified using PCR to construct a minigene cassette with newly engineered 5' and 3' ends (see Author's map). The 5' end contained an EcoRI site for subcloning, followed by the kozak sequence 5'-GCCGCCACCATGG-3'. A bclI site was inserted at the 3' end immediately following the stop codon. The final BARK1 minigene construct contains the 3'UTR of the human beta-globin gene and a polyadenylation signal.

Plasmid Name: pRK5 BARK1 minigene

Relevant Mutation: BARK1 amino acids 495-689

Record Creation Time: 20220422T221824+0000

Record Last Update: 20260815T080706+0000

Ratings and Alerts

No rating or validation information has been found for pRK5 BARK1 minigene.

No alerts have been found for pRK5 BARK1 minigene.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Bai HH, et al. (2024) GPR39 regulated spinal glycinergic inhibition and mechanical inflammatory pain. Science advances, 10(5), eadj3808.

Diao XT, et al. (2020) Analgesic action of adenosine A1 receptor involves the dephosphorylation of glycine receptor $\alpha 1$ subunit in spinal dorsal horn of mice. Neuropharmacology, 176, 108219.

Alkhatib O, et al. (2019) Promiscuous G-Protein-Coupled Receptor Inhibition of Transient Receptor Potential Melastatin 3 Ion Channels by G α Subunits. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(40), 7840.

Jean-Alphonse FG, et al. (2017) β -adrenergic receptor control of endosomal PTH receptor signaling via G α . Nature chemical biology, 13(3), 259.