Resource Summary Report

Generated by dkNET on Aug 20, 2026

DAGR

RRID:Addgene_14865
Type: Plasmid

Proper Citation

RRID:Addgene_14865

Plasmid Information

URL: http://www.addgene.org/14865

Proper Citation: RRID:Addgene_14865

Insert Name: DAG reporter

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:12782683

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: CFP and YFP fused to the C1A and C1B domains of PKCbetaII. DAGR was created by PCR of the C1A and C1B domains of rat PKCßII (aa 37–152) from KpnI to XhoI and substitution for the PH domain in CYPHR.

Plasmid Name: DAGR

Record Creation Time: 20220422T221826+0000

Record Last Update: 20260815T080709+0000

Ratings and Alerts

No rating or validation information has been found for DAGR.

No alerts have been found for DAGR.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Inderwiedenstraße L, et al. (2024) Angiotensin receptors and ?1B-adrenergic receptors regulate native IK(ACh) and phosphorylation-deficient GIRK4 (S418A) channels through different PKC isoforms. Pflugers Archiv : European journal of physiology, 476(7), 1041.

Renkhold L, et al. (2022) PKC-isoform specific regulation of receptor desensitization and KCNQ1/KCNE1 K+ channel activity by mutant ?1B-adrenergic receptors. Cellular signalling, 91, 110228.

da Silva Rosa SC, et al. (2021) BNIP3L/Nix-induced mitochondrial fission, mitophagy, and impaired myocyte glucose uptake are abrogated by PRKA/PKA phosphorylation. Autophagy, 17(9), 2257.

Kienitz MC, et al. (2019) Biased signaling of Ca2+-sensing receptors in cardiac myocytes regulates GIRK channel activity. Journal of molecular and cellular cardiology, 130, 107.

Niemeyer A, et al. (2019) Receptor-specific regulation of atrial GIRK channel activity by different Ca2+-dependent PKC isoforms. Cellular signalling, 64, 109418.

Kienitz MC, et al. (2016) Receptor Species-dependent Desensitization Controls KCNQ1/KCNE1 K+ Channels as Downstream Effectors of Gq Protein-coupled Receptors. The Journal of biological chemistry, 291(51), 26410.

Bodmann EL, et al. (2014) Dynamics of G?q-protein-p63RhoGEF interaction and its regulation by RGS2. The Biochemical journal, 458(1), 131.

Tauseef M, et al. (2012) TLR4 activation of TRPC6-dependent calcium signaling mediates endotoxin-induced lung vascular permeability and inflammation. The Journal of experimental medicine, 209(11), 1953.