

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Gi1-CASE

RRID:Addgene_168120

Type: Plasmid

Proper Citation

RRID:Addgene_168120

Plasmid Information

URL: <http://www.addgene.org/168120>

Proper Citation: RRID:Addgene_168120

Insert Name: GNAI1, GNB1, GNG2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:34516756](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:Clontech-style N1; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Kanamycin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/2021.02.05.429900v1> for bioRxiv preprint.

Plasmid Name: Gi1-CASE

Relevant Mutation: NLuc is inserted at A121/E122 within GNAI1

Record Creation Time: 20220422T221944+0000

Record Last Update: 20260725T074223+0000

Ratings and Alerts

No rating or validation information has been found for Gi1-CASE.

No alerts have been found for Gi1-CASE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kaiser A, et al. (2025) Transient ligand contacts of the intrinsically disordered N-terminus of neuropeptide Y2 receptor regulate arrestin-3 recruitment. Nature communications, 16(1), 8326.

Gratio V, et al. (2024) Pharmacodynamics of the orexin type 1 (OX1) receptor in colon cancer cell models: A two-sided nature of antagonistic ligands resulting from partial dissociation of Gq. British journal of pharmacology.

Scott-Dennis M, et al. (2023) Development of a membrane-based Gi-CASE biosensor assay for profiling compounds at cannabinoid receptors. Frontiers in pharmacology, 14, 1158091.