

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

pcDNA3 ?arr1 S412D Flag

RRID:Addgene_42196

Type: Plasmid

Proper Citation

RRID:Addgene_42196

Plasmid Information

URL: <http://www.addgene.org/42196>

Proper Citation: RRID:Addgene_42196

Insert Name: ?-arrestin 1 S412D

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9924018](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Flag epitope-tagged truncation mutants of ?-arrestin 1 were prepared by the polymerase chain reaction (PCR), incorporating an Eco RI site, minimal Kozak sequence (ACC), and initiator methionine codon into the 5' primer, and the Flag epitope sequence, stop codon, and an Xho I site into the 3' primer. PCR products were subcloned into pcDNA3. DNA sequences were confirmed by dideoxynucleotide sequencing.

Plasmid Name: pcDNA3 ?arr1 S412D Flag

Relevant Mutation: S412D

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260725T074658+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 ?arr1 S412D Flag.

No alerts have been found for pcDNA3 ?arr1 S412D Flag.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Ferrandino F, et al. (2018) Intrathymic Notch3 and CXCR4 combinatorial interplay facilitates T-cell leukemia propagation. *Oncogene*, 37(49), 6285.

Girada SB, et al. (2017) G?s regulates Glucagon-Like Peptide 1 Receptor-mediated cyclic AMP generation at Rab5 endosomal compartment. *Molecular metabolism*, 6(10), 1173.