

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pCI-SEP-GluR2(Q)

RRID:Addgene_24002

Type: Plasmid

Proper Citation

RRID:Addgene_24002

Plasmid Information

URL: <http://www.addgene.org/24002>

Proper Citation: RRID:Addgene_24002

Insert Name: GluR2

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16481433](#)

Vector Backbone Description: Backbone Size:4000; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCI-SEP-GluR2(Q)

Relevant Mutation: R607Q

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081228+0000

Ratings and Alerts

No rating or validation information has been found for pCI-SEP-GluR2(Q).

No alerts have been found for pCI-SEP-GluR2(Q).

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](#) .

Prinkey K, et al. (2024) Fluorescence lifetime imaging of AMPA receptor endocytosis in living neurons: effects of A?? and PP1. *Frontiers in molecular neuroscience*, 17, 1409401.

Taylor KR, et al. (2023) Glioma synapses recruit mechanisms of adaptive plasticity. *Nature*, 623(7986), 366.

Yang L, et al. (2023) Rabphilin-3A undergoes phase separation to regulate GluN2A mobility and surface clustering. *Nature communications*, 14(1), 379.

Sanderson TM, et al. (2018) The Probability of Neurotransmitter Release Governs AMPA Receptor Trafficking via Activity-Dependent Regulation of mGluR1 Surface Expression. *Cell reports*, 25(13), 3631.