

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pCI syn iGluu

RRID:Addgene_106122

Type: Plasmid

Proper Citation

RRID:Addgene_106122

Plasmid Information

URL: <http://www.addgene.org/106122>

Proper Citation: RRID:Addgene_106122

Insert Name: iGluSnFR S72T variant

Organism: Escherichia coli (strain K12)

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29735711](#)

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

Comments: pCI syn iGluu is the S73T variant of pCI syn iGluSnFR. (iGluSnFR was created by Marvin et al.2013) bioRxiv: <https://doi.org/10.1101/233494>

Plasmid Name: pCI syn iGluu

Relevant Mutation: Changed Ser 72 to Thr

Record Creation Time: 20220422T221515+0000

Record Last Update: 20260808T080348+0000

Ratings and Alerts

No rating or validation information has been found for pCI syn iGluu.

No alerts have been found for pCI syn iGluu.

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 [SPARC SAWG](#) .

Barata MA, et al. (2025) Alzheimer's genetic risk factor Bin1 controls synapse vesicle exo-endocytosis in inhibitory synapses. Cell reports, 44(8), 116005.

Cho IH, et al. (2020) The potassium channel subunit Kv β 1 serves as a major control point for synaptic facilitation. Proceedings of the National Academy of Sciences of the United States of America, 117(47), 29937.

Dvorzhak A, et al. (2020) Single Synapse Indicators of Glutamate Release and Uptake in Acute Brain Slices from Normal and Huntington Mice. Journal of visualized experiments : JoVE(157).

Dürst CD, et al. (2019) High-speed imaging of glutamate release with genetically encoded sensors. Nature protocols, 14(5), 1401.