

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pAAV.hSynap.(cyto)iGlucSnFR-mRuby2

RRID:Addgene_164510

Type: Plasmid

Proper Citation

RRID:Addgene_164510

Plasmid Information

URL: <http://www.addgene.org/164510>

Proper Citation: RRID:Addgene_164510

Insert Name: (Cyto)iGlucSnFR-mRuby2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34161775](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: The depositing lab recommends the updated pAAV.hSynap.(cyto)iGlucSnFR2.mRuby3 (<https://www.addgene.org/244092/>) instead of this plasmid. Please visit <https://doi.org/10.1101/571422> for bioRxiv preprint.

Plasmid Name: pAAV.hSynap.(cyto)iGlucSnFR-mRuby2

Relevant Mutation: Synthetic Construct

Record Creation Time: 20220422T221929+0000

Record Last Update: 20260902T042646+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.hSynap.(cyto)iGlucSnFR-mRuby2.

No alerts have been found for pAAV.hSynap.(cyto)iGlucSnFR-mRuby2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Barykina NV, et al. (2024) Destabilized near-infrared fluorescent nanobodies enable background-free targeting of GFP-based biosensors for imaging and manipulation. Nature communications, 15(1), 7788.