

Resource Summary Report

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

pcDNA3-SypHluorin 1x (S1x)

RRID:Addgene_37003

Type: Plasmid

Proper Citation

RRID:Addgene_37003

Plasmid Information

URL: <http://www.addgene.org/37003>

Proper Citation: RRID:Addgene_37003

Insert Name: SypHluorin

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19217377](#)

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

Plasmid Name: pcDNA3-SypHluorin 1x (S1x)

Relevant Mutation: One copy of pHluorin inserted at site 184-185

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-SypHluorin 1x (S1x).

No alerts have been found for pcDNA3-SypHluorin 1x (S1x).

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 [RRID](#) .

Bello OD, et al. (2018) Synaptotagmin oligomerization is essential for calcium control of regulated exocytosis. Proceedings of the National Academy of Sciences of the United States of America, 115(32), E7624.

Vaithianathan T, et al. (2016) Nanoscale dynamics of synaptic vesicle trafficking and fusion at the presynaptic active zone. eLife, 5.