

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

EGFP-E-Syt2

RRID:Addgene_66831

Type: Plasmid

Proper Citation

RRID:Addgene_66831

Plasmid Information

URL: <http://www.addgene.org/66831>

Proper Citation: RRID:Addgene_66831

Insert Name: E-Syt2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23791178](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Please note that the E-syt2 coding region starts at the second methionine (M49) compared to the NCBI reference sequence; this shorter protein aligned more closely with endogenous E-Syt2 in SDS-PAGE. Both longer and shorter constructs displayed the same subcellular localization. Please see the associated publication for additional details.

Plasmid Name: EGFP-E-Syt2

Record Creation Time: 20220422T222419+0000

Record Last Update: 20260808T082017+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-E-Syt2.

No alerts have been found for EGFP-E-Syt2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Verpoort B, et al. (2025) A postsynaptic GPR158-PLCXD2 complex controls spine apparatus abundance and dendritic spine maturation. *Developmental cell*.

Janer A, et al. (2024) ESYT1 tethers the ER to mitochondria and is required for mitochondrial lipid and calcium homeostasis. *Life science alliance*, 7(1).

Henry C, et al. (2022) Enforced tethering elongates the cortical endoplasmic reticulum and limits store-operated Ca²⁺ entry. *Journal of cell science*, 135(6).

John S, et al. (2022) Neurotherapeutic implications of sense and respond strategies generated by astrocytes and astrocytic tumours to combat pH mechanical stress. *Neuropathology and applied neurobiology*, 48(2), e12774.

de Jong APH, et al. (2018) RIM C2B Domains Target Presynaptic Active Zone Functions to PIP2-Containing Membranes. *Neuron*, 98(2), 335.

Zewe JP, et al. (2018) SAC1 degrades its lipid substrate PtdIns4P in the endoplasmic reticulum to maintain a steep chemical gradient with donor membranes. *eLife*, 7.

Bone LN, et al. (2017) The acyltransferase LYCAT controls specific phosphoinositides and related membrane traffic. *Molecular biology of the cell*, 28(1), 161.