

Resource Summary Report

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

[rSytIV pIE](#)

RRID:Addgene_12503

Type: Plasmid

Proper Citation

RRID:Addgene_12503

Plasmid Information

URL: <http://www.addgene.org/12503>

Proper Citation: RRID:Addgene_12503

Insert Name: Synaptotagmin IV

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16407532](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:5300; Vector Backbone:pIRES-EGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: rSytIV pIE

Record Creation Time: 20220422T221655+0000

Record Last Update: 20260815T080412+0000

Ratings and Alerts

No rating or validation information has been found for rSytIV pIE.

No alerts have been found for rSytIV pIE.

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](#) .

López-Benito S, et al. (2018) Regulation of BDNF Release by ARMS/Kidins220 through Modulation of Synaptotagmin-IV Levels. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(23), 5415.

Neuland K, et al. (2014) Synaptotagmin-7 links fusion-activated Ca^{2+} entry and fusion pore dilation. Journal of cell science, 127(Pt 24), 5218.