

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

pCAG-HA-rat Nrnx1alpha

RRID:Addgene_58266

Type: Plasmid

Proper Citation

RRID:Addgene_58266

Plasmid Information

URL: <http://www.addgene.org/58266>

Proper Citation: RRID:Addgene_58266

Insert Name: Nrnx1alpha

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17360903](#)

Vector Backbone Description: Backbone Size:4869; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: See map & sequence file for insert-releasing enzymes (e.g. NheI / XmaI). Insert can also be released without HA-tag (e.g. by SpeI / XmaI digest). The rat neurexin 1 alpha encoded by this plasmid lacks alternatively spliced segment 4 (AS4), and contains the regions homologous to alternatively spliced segment 3 and 5 (AS3 and AS5, respectively) of mouse neurexin 1 alpha (compare Schreiner et al., Neuron, 2014 [DOI: 10.1016/j.neuron.2014.09.011]). Note: HA-epitope tag was introduced at the mature N-terminus.

Plasmid Name: pCAG-HA-rat Nrnx1alpha

Relevant Mutation: see comments

Record Creation Time: 20220422T222337+0000

Record Last Update: 20260815T081714+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-HA-rat Nrnx1alpha.

No alerts have been found for pCAG-HA-rat Nrnx1alpha.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

de Arce KP, et al. (2023) Concerted roles of LRRTM1 and SynCAM 1 in organizing prefrontal cortex synapses and cognitive functions. Nature communications, 14(1), 459.

William N, et al. (2021) Neurexin 1 variants as risk factors for suicide death. Molecular psychiatry, 26(12), 7436.

Meng X, et al. (2019) Neurexophilin4 is a selectively expressed ??-neurexin ligand that modulates specific cerebellar synapses and motor functions. eLife, 8.