

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pCAG-HA-Nrxn1beta AS4(+)

RRID:Addgene_59410

Type: Plasmid

Proper Citation

RRID:Addgene_59410

Plasmid Information

URL: <http://www.addgene.org/59410>

Proper Citation: RRID:Addgene_59410

Insert Name: Nrxn1beta AS4(+)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16846852](#)

Vector Backbone Description: Backbone Size:4867; Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: See map & sequence file for insert-releasing enzymes (e.g. NheI / XmaI). The Nrxn 1 beta variant encoded by this plasmid is AS4(+) / AS5(+): - Exon 21 constituting alternatively spliced segment 4 (AS4) (=ENSMUSE00001309616) is present. - AS5 is present, i.e. the long form of exon 23 (23.1) is present (=ENSMUSE00000862714; "GTGGGTTAG" in addition to shorter) exon 23.2 (=ENSMUSE00001290978)). See Schreiner et al., Neuron, 2014 for nomenclature of alternatively spliced segments (doi:10.1016/j.neuron.2014.09.011).

Plasmid Name: pCAG-HA-Nrxn1beta AS4(+)

Record Creation Time: 20220422T222342+0000

Record Last Update: 20260725T074918+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-HA-Nrxn1beta AS4(+).

No alerts have been found for pCAG-HA-Nrxn1beta AS4(+).

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 [NIF](#) .

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