

Resource Summary Report

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

pcDNA3-Nrxn1beta AS4(+)-Fc

RRID:Addgene_59314

Type: Plasmid

Proper Citation

RRID:Addgene_59314

Plasmid Information

URL: <http://www.addgene.org/59314>

Proper Citation: RRID:Addgene_59314

Insert Name: Nrxn1beta AS4(+)-Fc fusion

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10892652](#)

Vector Backbone Description: Backbone Size:6672; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Fc-portion contains intronic sequences which improve expression. See map & sequence file for insert-releasing enzymes (e.g. HindIII / BglII for untagged Nrxn1beta, and HindIII / XhoI for Nrxn1beta-FC-fusion). The Nrxn 1 beta variant encoded by this plasmid is AS4(+), meaning exon 21 constituting alternatively spliced segment 4 (AS4) (=ENSMUSE00001309616) is present.

Plasmid Name: pcDNA3-Nrxn1beta AS4(+)-Fc

Record Creation Time: 20220422T222342+0000

Record Last Update: 20260815T081722+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-Nrxn1beta AS4(+)-Fc.

No alerts have been found for pcDNA3-Nrxn1beta AS4(+)-Fc.

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 [dkNET](#) .

Li J, et al. (2017) Molecular Dissection of Neuroligin 2 and Slitrk3 Reveals an Essential Framework for GABAergic Synapse Development. Neuron, 96(4), 808.