

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

AAV-GFAP-NLS-CasRx-NLS-FLAG-U6-DR-SgRNA_Ptbp1-DR

RRID:Addgene_154001

Type: Plasmid

Proper Citation

RRID:Addgene_154001

Plasmid Information

URL: <http://www.addgene.org/154001>

Proper Citation: RRID:Addgene_154001

Insert Name: CasRx, Ptbp1 sgRNAs

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32272060](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mouse Targeting, AAV, CRISPR; Bacterial Resistance:Ampicillin

Comments: INSERT 1: CasRx driven by GFAP promoter. INSERT 2: DR-SgRNA_Ptbp1 driven by U6 promoter. Ptbp1 gRNA 5: 5'-tgtatgtaggggctgtccacgaagcactggcg-3' Ptbp1 gRNA 6: 5'-gcttgagaagtcgatgcgcagcgtgcagc-3'

Plasmid Name: AAV-GFAP-NLS-CasRx-NLS-FLAG-U6-DR-SgRNA_Ptbp1-DR

Record Creation Time: 20220422T221843+0000

Record Last Update: 20260902T042350+0000

Ratings and Alerts

No rating or validation information has been found for AAV-GFAP-NLS-CasRx-NLS-FLAG-U6-DR-SgRNA_Ptbp1-DR.

No alerts have been found for AAV-GFAP-NLS-CasRx-NLS-FLAG-U6-DR-SgRNA_Ptbp1-DR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Schnaubelt A, et al. (2025) Development of a Lentiviral Reporter System for In Vitro Reprogramming of Astrocytes to Neuronal Precursors. *Biology*, 14(7).

Fukui Y, et al. (2024) Suppression of PTBP1 in hippocampal astrocytes promotes neurogenesis and ameliorates recognition memory in mice with cerebral ischemia. *Scientific reports*, 14(1), 20521.

Xie Y, et al. (2022) Critical examination of Ptbp1-mediated glia-to-neuron conversion in the mouse retina. *Cell reports*, 39(11), 110960.

Wang LL, et al. (2021) Revisiting astrocyte to neuron conversion with lineage tracing in vivo. *Cell*, 184(21), 5465.