

Resource Summary Report

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pB6-Gfap-T2A-td-sfGFP-FNF-DTA

RRID:Addgene_137044

Type: Plasmid

Proper Citation

RRID:Addgene_137044

Plasmid Information

URL: <http://www.addgene.org/137044>

Proper Citation: RRID:Addgene_137044

Insert Name: Gfap

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Hyung-song Nam, Capecchi laboratory; Vector Backbone:pDTA-5; Vector Types:Mammalian Expression, Mouse Targeting; Bacterial Resistance:Ampicillin

Comments: A targeting vector to knock-in T2A-td-sfGFP into mouse Gfap protein isoform 2 (also known as Gfap-alpha). This is the most abundant isoform in the mouse brain. Of note, the Gfap protein transcript variant 2 transcript level is high in the SVZ, an adult neural stem cell niche. See Kamphuis et al., 2012 (<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0042823>). Homology arms subcloned from a clone of RPCI-23 C57BL/6J mouse genomic DNA library. Please make sure the plasmid DNA preparation is pure by gel electrophoresis before linearizing for an electroporation.

Plasmid Name: pB6-Gfap-T2A-td-sfGFP-FNF-DTA

Record Creation Time: 20220422T221755+0000

Record Last Update: 20260815T080612+0000

Ratings and Alerts

No rating or validation information has been found for pB6-Gfap-T2A-td-sfGFP-FNF-DTA.

No alerts have been found for pB6-Gfap-T2A-td-sfGFP-FNF-DTA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.