

Resource Summary Report

Generated by PRECISE-TBI on Sep 1, 2026

PSD-95_Y12E-pTagRFP

RRID:Addgene_52672

Type: Plasmid

Proper Citation

RRID:Addgene_52672

Plasmid Information

URL: <http://www.addgene.org/52672>

Proper Citation: RRID:Addgene_52672

Insert Name: PSD-95

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Evrogen; Backbone Size:4733; Vector Backbone:pTagRFP; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: HindII and EcoRI were used to cut PSD-95 from PSD-95-pGW1 (received from David Bredt) and ligate it into pTagRFP-N. PSD-95 tyrosine 12 was mutated to glutamate (Y12E) by extending a complementary set of primers (PSD95Y12E-forward: 5'-GAC AAC CAA GAA AGA GCG CTA CCA AGA TGA AGA CAC G-3', PSD95Y12E-reverse: 5'-CGT GTC TTC ATC TTG GTA GCG CTC TTT CTT GGT TGT C-3') along the whole template plasmid using Q5 high-fidelity DNA polymerase (NEB). DpnI was subsequently used to digest non-mutated, methylated template DNA prior to transformation.

Plasmid Name: PSD-95_Y12E-pTagRFP

Relevant Mutation: Y12E

Record Creation Time: 20220422T222309+0000

Record Last Update: 20260829T080651+0000

Ratings and Alerts

No rating or validation information has been found for PSD-95_Y12E-pTagRFP.

No alerts have been found for PSD-95_Y12E-pTagRFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.