

Resource Summary Report

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

pRK172-?-syn-TEV-GFP

RRID:Addgene_166671

Type: Plasmid

Proper Citation

RRID:Addgene_166671

Plasmid Information

URL: <http://www.addgene.org/166671>

Proper Citation: RRID:Addgene_166671

Insert Name: mouse synuclein (from V. Lee)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33497415](#)

Vector Backbone Description: Backbone Marker:Virginia Lee; Vector Backbone:pRK172; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The original plasmid reference is: "Selective imaging of internalized proteopathic α -synuclein seeds in primary neurons reveals mechanistic insight into transmission of synucleinopathies" JBC 2017, DOI 0.1074/jbc.M117.780296 Richard J. Karpowicz, Jr. , Conor M. Haney , Tiberiu S. Mihaila , Raizel M. Sandler , E. James Petersson, and Virginia M.-Y. Lee

Plasmid Name: pRK172-?-syn-TEV-GFP

Relevant Mutation: added a TEV cleavage site sequence between synuclein and GFP

Record Creation Time: 20220422T221938+0000

Record Last Update: 20260725T074211+0000

Ratings and Alerts

No rating or validation information has been found for pRK172-?-syn-TEV-GFP.

No alerts have been found for pRK172-?-syn-TEV-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lee S, et al. (2023) Structural basis of impaired disaggregase function in the oxidation-sensitive SKD3 mutant causing 3-methylglutaconic aciduria. Nature communications, 14(1), 2028.

Chen L, et al. (2022) Synaptic location is a determinant of the detrimental effects of α -synuclein pathology to glutamatergic transmission in the basolateral amygdala. eLife, 11.