

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pLKO.1-mPRAS40

RRID:Addgene_15480

Type: Plasmid

Proper Citation

RRID:Addgene_15480

Plasmid Information

URL: <http://www.addgene.org/15480>

Proper Citation: RRID:Addgene_15480

Insert Name: PRAS40 shRNA

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17277771](#)

Vector Backbone Description: Backbone Size:7000; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: Target sequence for mouse PRAS40 is 5'-GAGCCCACTGAAACAGAGACA-3'.

Plasmid Name: pLKO.1-mPRAS40

Record Creation Time: 20220422T221848+0000

Record Last Update: 20260815T080754+0000

Ratings and Alerts

No rating or validation information has been found for pLKO.1-mPRAS40.

No alerts have been found for pLKO.1-mPRAS40.

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 [RRID](#) .

Zhao S, et al. (2024) mTOR/miR-142-3p/PRAS40 signaling cascade is critical for tuberous sclerosis complex-associated renal cystogenesis. Cellular & molecular biology letters, 29(1), 125.

Yang W, et al. (2017) PRAS40 alleviates neurotoxic prion peptide-induced apoptosis via mTOR-AKT signaling. CNS neuroscience & therapeutics, 23(5), 416.