

Resource Summary Report

Generated by [dkNET](#) on Aug 2, 2026

Lyr_M37_KDEL

RRID:Addgene_51530

Type: Plasmid

Proper Citation

RRID:Addgene_51530

Plasmid Information

URL: <http://www.addgene.org/51530>

Proper Citation: RRID:Addgene_51530

Insert Name: Lysine Racemase

Organism: P. mirabilis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24820872](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5000; Vector Backbone:pCDNA3.1 (+) Zeo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Amino acids 1-36 were removed and a KDEL tag was added to limit extracellular localization. Please see the associated article for more information. Note that the sequence here matches some putative database entries for alanine racemase, but the protein has been functionally characterised as lysine racemase

Plasmid Name: Lyr_M37_KDEL

Relevant Mutation: aa's 1-36 removed

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260801T081424+0000

Ratings and Alerts

No rating or validation information has been found for Lyr_M37_KDEL.

No alerts have been found for Lyr_M37_KDEL.

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 [dkNET](#) .

Ing-Esteves S, et al. (2024) Gamma-protocadherins regulate dendrite self-recognition and dynamics to drive self-avoidance. Current biology : CB, 34(18), 4224.

Tape CJ, et al. (2017) Cell-Specific Labeling for Analyzing Bidirectional Signaling by Mass Spectrometry. Methods in molecular biology (Clifton, N.J.), 1636, 219.