

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

pKD?SepRS-EFSep-5x tRNASep (B40 OTS)

RRID:Addgene_52054

Type: Plasmid

Proper Citation

RRID:Addgene_52054

Plasmid Information

URL: <http://www.addgene.org/52054>

Proper Citation: RRID:Addgene_52054

Insert Name: SepRS

Organism: Methanocaldococcus maripaludis

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Pharmacia; Vector Backbone:pKK223-3; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid is the same as pKD-SepRS-EFSep, Addgene plasmid #34623, with the addition of the 5xtRNA-Sep insert. Certain elements of this plasmid are covered under US patent 9,090,928 to Yale University

Plasmid Name: pKD?SepRS-EFSep-5x tRNASep (B40 OTS)

Record Creation Time: 20220422T222305+0000

Record Last Update: 20260808T081809+0000

Ratings and Alerts

No rating or validation information has been found for pKD?SepRS-EFSep-5x tRNASep (B40 OTS).

No alerts have been found for pKD?SepRS-EFSep-5x tRNASep (B40 OTS).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Schachner LF, et al. (2022) Revving an Engine of Human Metabolism: Activity Enhancement of Triosephosphate Isomerase via Hemi-Phosphorylation. ACS chemical biology, 17(10), 2769.

Magnussen HM, et al. (2020) Structural basis for DNA damage-induced phosphoregulation of MDM2 RING domain. Nature communications, 11(1), 2094.

Richter B, et al. (2016) Phosphorylation of OPTN by TBK1 enhances its binding to Ub chains and promotes selective autophagy of damaged mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 113(15), 4039.

George S, et al. (2016) Generation of phospho-ubiquitin variants by orthogonal translation reveals codon skipping. FEBS letters, 590(10), 1530.