# Resource Summary Report

Generated by NIF on Aug 30, 2026

## PCRT7 tetR pLtetO MBP-MEK1 XX Amp

RRID:Addgene_53225
Type: Plasmid

### Proper Citation

RRID:Addgene_53225

### Plasmid Information

**URL:** http://www.addgene.org/53225

**Proper Citation:** RRID:Addgene_53225

**Insert Name:** MEK1

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Vector Backbone Description:** Backbone Marker:Rinehart lab, Addgene plasmid 52053; Vector Backbone:pCRT7; Vector Types:Bacterial Expression, phosphoprotein synthesis; Bacterial Resistance:Ampicillin

**Plasmid Name:** PCRT7 tetR pLtetO MBP-MEK1 XX Amp

**Relevant Mutation:** Codon optimized for E.coli, both codons for Ser218 and Ser222 were changed to amber codons

**Record Creation Time:** 20220422T222312+0000

**Record Last Update:** 20260829T080655+0000

### Ratings and Alerts

No rating or validation information has been found for PCRT7 tetR pLtetO MBP-MEK1 XX Amp.

No alerts have been found for PCRT7 tetR pLtetO MBP-MEK1 XX Amp.

### Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF .

Gassaway BM, et al. (2019) Distinct Hepatic PKA and CDK Signaling Pathways Control Activity-Independent Pyruvate Kinase Phosphorylation and Hepatic Glucose Production. Cell reports, 29(11), 3394.