

# Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

## PCRT7 tetR pLtetO MBP-MEK1 XX Amp

RRID:Addgene\_53225

Type: Plasmid

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### Proper Citation

RRID:Addgene\_53225

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### 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:** 20260725T074827+0000

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### 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.

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### 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.