

# Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

## pRL-TK 4x mut E

RRID:Addgene\_11318

Type: Plasmid

### Proper Citation

RRID:Addgene\_11318

### Plasmid Information

**URL:** <http://www.addgene.org/11318>

**Proper Citation:** RRID:Addgene\_11318

**Insert Name:** 4 bulged binding sites for CXCR4 siRNA antisense

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:15014042](#)

**Vector Backbone Description:** Backbone Marker:Promega; Backbone Size:4045; Vector Backbone:pRL-TK; Vector Types:Luciferase; Bacterial Resistance:Ampicillin

**Comments:** Two identical mutant binding sites, separated by 4 nt, were flanked by two of the original bulged binding sites, each 11 nt away. Two original CXCR4 sites, with XhoI and SpeI restriction sites between them, were inserted into the XbaI site in the 3' UTR of the pRL-TK plasmid. The mutant binding sites were then inserted by ligating annealed oligos into the XhoI and SpeI sites. See Addgene plasmid 11307 for cloning of binding sites into the backbone, used in Doench, Sharp 2003 paper.

**Plasmid Name:** pRL-TK 4x mut E

**Relevant Mutation:** Mutation E (see paper) on inner 2 binding sites.

**Record Creation Time:** 20220422T221552+0000

**Record Last Update:** 20260919T090539+0000

### Ratings and Alerts

No rating or validation information has been found for pRL-TK 4x mut E.

No alerts have been found for pRL-TK 4x mut E.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.