

Resource Summary Report

Generated by [nidm-terms](#) on Aug 15, 2026

pRL-TK 4x mut A

RRID:Addgene_11314

Type: Plasmid

Proper Citation

RRID:Addgene_11314

Plasmid Information

URL: <http://www.addgene.org/11314>

Proper Citation: RRID:Addgene_11314

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 A

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

Record Creation Time: 20220422T221552+0000

Record Last Update: 20260815T080209+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.