

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

p243_LTJ_4kbCD45.1Template

RRID:Addgene_82663

Type: Plasmid

Proper Citation

RRID:Addgene_82663

Plasmid Information

URL: <http://www.addgene.org/82663>

Proper Citation: RRID:Addgene_82663

Insert Name: 4kb genomic DNA sequence from murine CD45.1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29445007](#)

Vector Backbone Description: Backbone Marker:Genscript; Backbone Size:2710; Vector Backbone:pUC57; Vector Types:HDR template for gene editing; Bacterial Resistance:Ampicillin

Comments: This HDR template can be used in conjunction with sgRNA CD45.2 (Addgene ID 82672). In the template we introduced a PAM mutation. These plasmids were previously associated with the following preprint: Highly efficient and versatile plasmid-based gene editing in primary T cells bioRxiv. 13 January 2018. doi:10.1101/247544

Plasmid Name: p243_LTJ_4kbCD45.1Template

Record Creation Time: 20220422T222536+0000

Record Last Update: 20260725T075240+0000

Ratings and Alerts

No rating or validation information has been found for p243_LTJ_4kbCD45.1Template.

No alerts have been found for p243_LTJ_4kbCD45.1Template.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.