

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pGL3 CXCR4 3P

RRID:Addgene_11312

Type: Plasmid

Proper Citation

RRID:Addgene_11312

Plasmid Information

URL: <http://www.addgene.org/11312>

Proper Citation: RRID:Addgene_11312

Insert Name: 3 perfect binding sites for CXCR4 siRNA antisense

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12600936](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5256; Vector Backbone:pGL3-control; Vector Types:Luciferase; Bacterial Resistance:Ampicillin

Comments: The end of the ORF and the beginning of the 3' UTR is (with the TAA stop codon, followed by T, then the XbaI site TCTAGA): GATCGCCGTG TAA T TCTAGA GTCGGGGCG. We digested the plasmids with XbaI, and ligated in the following: ctaga ttccgagatatcggtaat gggcc. This produced a modified vector, still containing an XbaI site, but now also containing an ApaI site (GGGCCC), to allow for directional cloning of 3' UTR inserts. The final vector contains, starting with the stop codon TAA: TAA T Tctaga ttccgagatatcggtaat gggccC TAGA. All UTR inserts were then constructed in the following format: TCTAGACTCGAGCCGG[binding site]ATCGCGGGCCC. A single perfect binding site is AAGTTTTCACTCCAGCTAACACCGG. The CXCR4 siRNA used is GUUUUCACUCCAGCUAACACATTCAAAAGUGAGGUCAUUGU.

Plasmid Name: pGL3 CXCR4 3P

Record Creation Time: 20220422T221552+0000

Record Last Update: 20260808T080455+0000

Ratings and Alerts

No rating or validation information has been found for pGL3 CXCR4 3P.

No alerts have been found for pGL3 CXCR4 3P.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.