

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

K15/pGL3

RRID:Addgene_44264

Type: Plasmid

Proper Citation

RRID:Addgene_44264

Plasmid Information

URL: <http://www.addgene.org/44264>

Proper Citation: RRID:Addgene_44264

Insert Name: K15 promoter (-4.8)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:14708593](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4818; Vector Backbone:pGL3-Basic; Vector Types:Mammalian Expression, Mouse Targeting, Luciferase; Bacterial Resistance:Ampicillin

Comments: Alternate plasmid name: K15(-4.8)-pGL3 The K15 promoter was cloned from C57 BL/SJ mouse genomic DNA (isolated from tail) by PCR using the Supermix High Fidelity Kit (GIBCO). The sequences of the forward and reverse primers were CTGAGCTACCAGCGAGACTCC (K15F1) and TTCCTGTCCCTAGCAAGCAGGAGAG (K15R1), respectively. XhoI and EcoRI restriction sequences were added to the 5' end of forward and reverse primers respectively for subsequent cloning of the PCR product into PBK/CMV vector (Stratagene). The promoter fragment was then subcloned into pGL3-Basic (Promega). The entire K15 promoter-luciferase transgene can be released by digestion with XhoI/Sall.

Plasmid Name: K15/pGL3

Relevant Mutation: Contains the murine K15 promoter (-4.8) fragment

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081513+0000

Ratings and Alerts

No rating or validation information has been found for K15/pGL3.

No alerts have been found for K15/pGL3.

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 [dkNET](#) .

Zhai XM, et al. (2025) CircMORC1 downregulated in plasma EVs promotes gastric cancer cell proliferation and invasion via miR-103a-1-5p sponging. BMC cancer, 25(1), 1313.