

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pCDH-EF1-FHC-POLQ

RRID:Addgene_64875

Type: Plasmid

Proper Citation

RRID:Addgene_64875

Plasmid Information

URL: <http://www.addgene.org/64875>

Proper Citation: RRID:Addgene_64875

Insert Name: POLQ

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25275444](https://pubmed.ncbi.nlm.nih.gov/25275444/)

Vector Backbone Description: Backbone Marker:Wood Lab, Addgene plasmid 64874;
Vector Backbone:pCDH-EF1-FHC; Vector Types:Mammalian Expression, Lentiviral;
Bacterial Resistance:Ampicillin

Plasmid Name: pCDH-EF1-FHC-POLQ

Record Creation Time: 20220422T222410+0000

Record Last Update: 20260808T081958+0000

Ratings and Alerts

No rating or validation information has been found for pCDH-EF1-FHC-POLQ.

No alerts have been found for pCDH-EF1-FHC-POLQ.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Le BV, et al. (2026) Pol η activity modulates sensitivity to standard therapies in DNMT3A-deficient leukemia. Cell reports. Medicine, 7(3), 102687.

Li S, et al. (2026) Microhomology-mediated end joining acts directly on replication forks to repair single-ended double-strand breaks. Molecular cell, 86(7), 1230.

Vekariya U, et al. (2024) PARG is essential for Pol η -mediated DNA end-joining by removing repressive poly-ADP-ribose marks. Nature communications, 15(1), 5822.

Prodhomme MK, et al. (2021) EMT Transcription Factor ZEB1 Represses the Mutagenic POL η -Mediated End-Joining Pathway in Breast Cancers. Cancer research, 81(6), 1595.

Chandramouly G, et al. (2021) Pol η promotes the repair of 5'-DNA-protein crosslinks by microhomology-mediated end-joining. Cell reports, 34(10), 108820.

Wang Z, et al. (2019) DNA polymerase η (POLQ) is important for repair of DNA double-strand breaks caused by fork collapse. The Journal of biological chemistry, 294(11), 3909.