

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

## pMSCV-FlagMLL-pl-ENL(5613)

RRID:Addgene\_20873

Type: Plasmid

### Proper Citation

RRID:Addgene\_20873

### Plasmid Information

**URL:** <http://www.addgene.org/20873>

**Proper Citation:** RRID:Addgene\_20873

**Insert Name:** MLL

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:19060922](#)

**Vector Backbone Description:** Backbone Marker:Clontech; Backbone Size:6500; Vector Backbone:pMSCV-neo; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

**Comments:** This is a control construct testing the newly developed fMLLpl construct for transforming activity in a MLL-ENL fusion. SmaI/XhoI fragment from pBluescriptII-ENL3' was inserted into a PmlI/XhoI cut pMSCV-flagMLLpl vector. The end plasmid has ~4.18kb MLL + pl remainings + ~0.4kb ENL with remaining pBSII.

**Plasmid Name:** pMSCV-FlagMLL-pl-ENL(5613)

**Record Creation Time:** 20220422T222053+0000

**Record Last Update:** 20260808T081404+0000

### Ratings and Alerts

No rating or validation information has been found for pMSCV-FlagMLL-pl-ENL(5613).

No alerts have been found for pMSCV-FlagMLL-pl-ENL(5613).

### Data and Source Information

Source: [Addgene](#)

---

## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Lyu W, et al. (2025) Histone methyltransferase KMT2A promotes pulmonary fibrogenesis via targeting pro-fibrotic factor PU.1 in fibroblasts. *Clinical and translational medicine*, 15(2), e70217.

Belt AJ, et al. (2024) Myeloid Targeted Human MLL-ENL and MLL-AF9 Induces cdk9 and bcl2 Expression in Zebrafish Embryos. *PLoS genetics*, 20(6), e1011308.

Wu J, et al. (2024) Epigenetic drug screening for trophoblast syncytialization reveals a novel role for MLL1 in regulating fetoplacental growth. *BMC medicine*, 22(1), 57.

Caplan M, et al. (2022) Multi-omics reveals mitochondrial metabolism proteins susceptible for drug discovery in AML. *Leukemia*, 36(5), 1296.

Guida N, et al. (2021) GATA3 (GATA-Binding Protein 3)/KMT2A (Lysine-Methyltransferase-2A) Complex by Increasing H3K4-3me (Trimethylated Lysine-4 of Histone-3) Upregulates NCX3 (Na<sup>+</sup>-Ca<sup>2+</sup> Exchanger 3) Transcription and Contributes to Ischemic Preconditioning Neuroprotection. *Stroke*, 52(11), 3680.

Zeng K, et al. (2020) ASH2L is involved in promotion of endometrial cancer progression via upregulation of PAX2 transcription. *Cancer science*, 111(6), 2062.

Zhang C, et al. (2017) KMT2A promotes melanoma cell growth by targeting hTERT signaling pathway. *Cell death & disease*, 8(7), e2940.