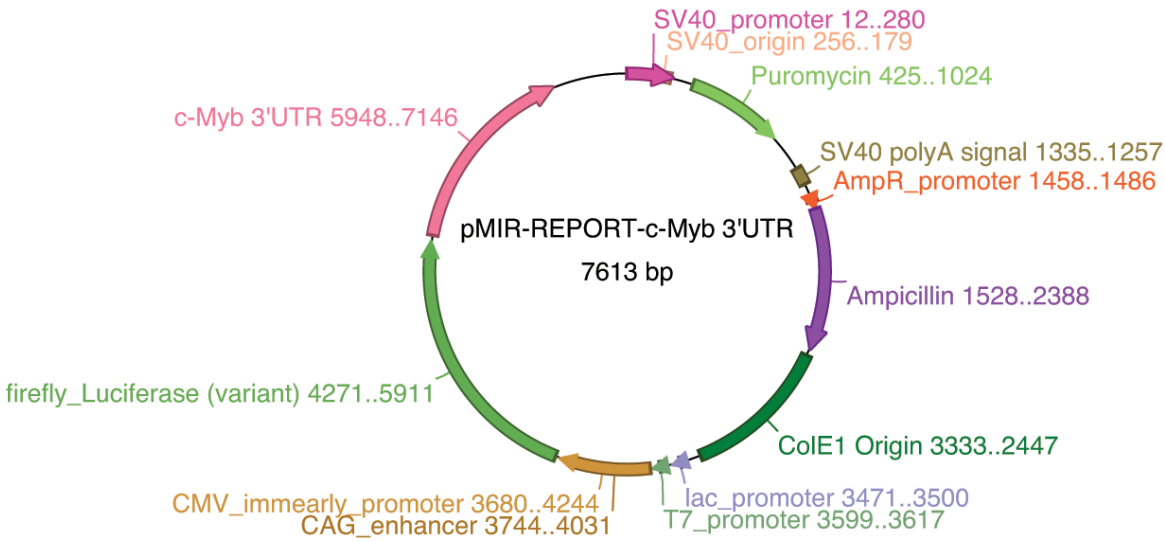
Plasmid Data Sheet

* **Plasmid Name and Size: pMIR-REPORT-c-Myb 3'UTR; 7613 bp**
* **developed at the BioMed Resource Core of the 1st Core Facility Lab, NTU-CM**
* **c-Myb:** Homo sapiens MYB proto-oncogene, transcription factor, isoform 1
  NCBI Reference Sequence: NM_001130173.2
* **3'UTR:** 3' untranslated region, non-coding 3' UTR (with stop codon of c-Myb)
* **Primers:**

BMRC-2209	AAAGCTGCGCACTAGTgagacatttccagaaaagc	pMIR-REPORT-c-Myb 3'UTR (SpeI)
BMRC-2122	ATCCTTTATTAAGCTTtttgtaggtaaaataagggcacat	pMIR-REPORT-c-Myb 3'UTR (HindIII)

* ☐ **TA cloning vector or** ☑ **Mammalian;** ☐**Yeast;** ☐ ***E.*** **coli; expression vector**
* **plasmid amplify in *E.* coli is** ☐ **high; or** ☑ **low copy number**
* **expression level is** ☐ **low or** ☑ **high**
* **expression promoter:** CMV IE promoter
* **antibiotic selection**: Amp and Puro
* **epitope or tag:** non

3' UTR regulatory sequences have been shown to be important for mRNA stability, translation, and transport. By cloning a 3'UTR into pMIR-REPORT, the luciferase reporter is subjected to analyze their effect on gene expression.



DNA Sequence of pMIR-REPORT-c-Myb 3'UTR

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