

Plasmid Data Sheet

* **Plasmid Name and Size:** [pMIR-REPORT Luc-NONHSAT135851.2 mutant; 7018 bp](#)

* **developed at the BioMed Resource Core of the 1st Core Facility Lab, NTU-CM**

* General information of NONHSAT135851.2:

NONCODE TRANSCRIPT ID	NONHSAT135851.2
NONCODE Gene ID	NONHSAG053897.2
Chromosome	chrM
Start Site	15997
End Site	16569
Strand	+
Exon Number	1

mutant: [143T>A; 144A>T; 145C>G; 146T>A; 147T>A; 148G>C; 149A>T]

* **Primers:**

BMRC-3071	AAAGCTGCGCACTAGTAAGATTCTAATTTAAACTAT	pMIR-REPORT Luc-NONHSAT135851.2 (SpeI)
BMRC-3008	GATATCACGCACGCGTCATCGTGATGTCTTATTTAAGGGGA	pMIR-REPORT Luc-NONHSAT135851.2 (MluI)
BMRC-3010	ACAGGTA Gagtctca TTTATGGTACCGTACAATATTC	NONHSAT135851.2 mutant
BMRC-3073	atgaactCTACCTGTAGTACATAAAAACCCA	NONHSAT135851.2 mutant

* 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

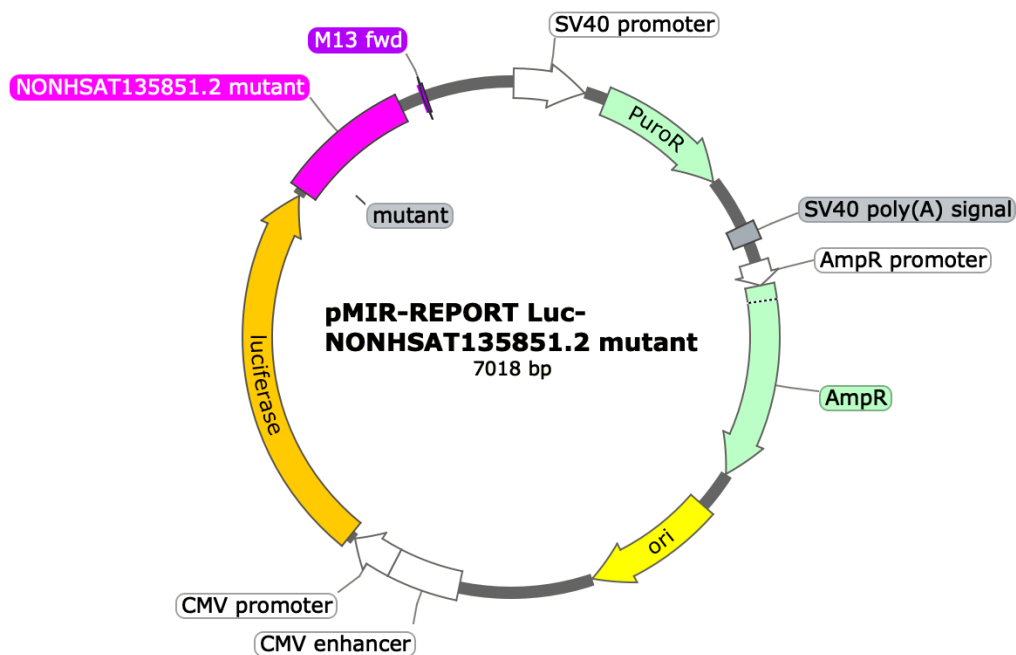
* expression promoter: CMV IE promoter

* antibiotic selection: Amp and Puro

* epitope or tag: non

By cloning a long non-coding RNAs (*lncRNAs*) into pMIR-REPORT, the luciferase reporter is subjected on the influence of miRNA on *lncRNA* function.

atgaact



DNA Sequence of pMIR-REPORT Luc-NONHSAT135851.2 mutant

GACGAAAGATTGGTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAA
GCATGCATCTCAATTAGTCAGCAACCAGGTGTGGAAAGTCCCCAGGCTCCCCAGCA
GGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCATAGTCCCCGCCCT
AACTCCGCCATCCCGCCCCTAACTCCGCCAGTTCCGCCATTCTCCGCCCATGG
CTGACTAATTTTTTTTATTTATGCAGAGGCCGAGGCCGCCTCGGCCTCTGAGCTATC
CAGAAGTAGTGAGGAGGCTTTTTTGGAGGCCTAGGCTTTTGCAAAAGCTAGCTTGC
ATGCCTGCAGGTCGGCCGCCACGACCGGTGCCGCCACCATCCCCTGACCCACGCCCC
TGACCCCTACAAGGAGACGACCTTCCATGACCGAGTACAAGCCCACGGTGCGCCT
CGCCACCCGCGACGACGTCCCCCGGGCCGTACGCACCCTCGCCGCCGCGTTCCGCCA
CTACCCCGCCACGCGCCACACCGTCGACCCCGGACCGCCACATCGAGCGGGTCAACG
AGCTGCAAGAACTCTTCTCACGCGCGTCGGGCTCGACATCGGCAAGGTGTGGGTG
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CGGTGCCTGACGCCCGCCCCACGACCCGCGAGCGCCCGACCGAAAGGAGCGCACGAC
CCCATGGCTCCGACCGAAGCCACCCGGGGCGGCCCGCCGACCCCGCACCCGCCCC
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