

Product datasheet for **PS100062**

pMirTarget 3'-UTR Assay Vector

Product data:

Product Type: 3'-UTR Assay Vector

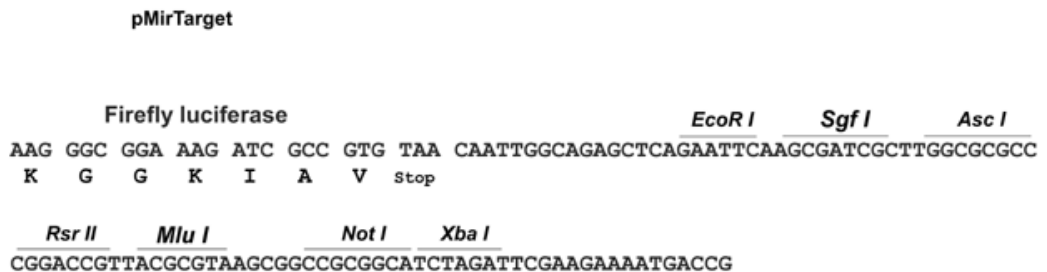
E. coli Selection: Kanamycin

Cell Selection: Neomycin

Features: pMirTarget is a reporter construct with firefly luciferase as a reporter. The multiple cloning sites are downstream of luciferase stop codon and allow insertion of any sequence of interest, creating a chimerical transcript. All of OriGene's 3'UTR clones are constructed in this vector. In the presence of appropriate miRNA (external or internal), shRNA or siRNA, the RNAi machinery would interact with the 3'UTR sequence and causes reduction of the luciferase activity.

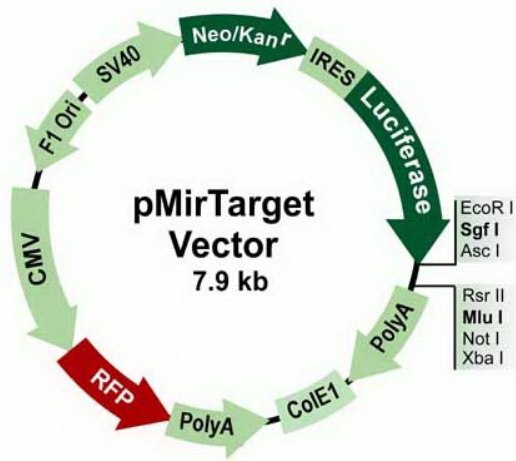
- High sensitivity of Luciferase assay due to IRES-driven luciferase cassette
- RFP as a reporter for transfection monitoring and normalization
- Neomycin selection marker for stable cell establishment
- Compatible with Precision shuttling system
- Can serve as a control for target validation experiments.
- [3-UTR Clones](#) for MicroRNA target validation
- LUC_F Primer (GE100096) can be used to sequence the target sequence after cloning.
- [Download](#) full vector sequence

Schematic of the multiple cloning sites:



[View online »](#)

Product images:



pMirTarget

Firefly luciferase

AAG GGC GGA AAG ATC GCC GTG TAA CAATTGGCAGAGCTCAGAATTCAGCGATCGCTTGGCGCGCC
 K G G K I A V stop

EcoR I Sgf I Asc I

Rsr II Mlu I Not I Xba I
 CGGACCGTTACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCG