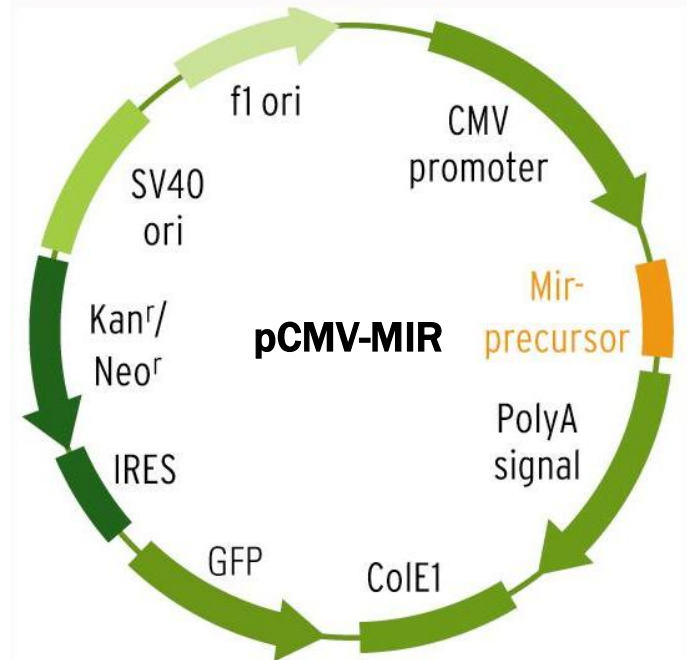
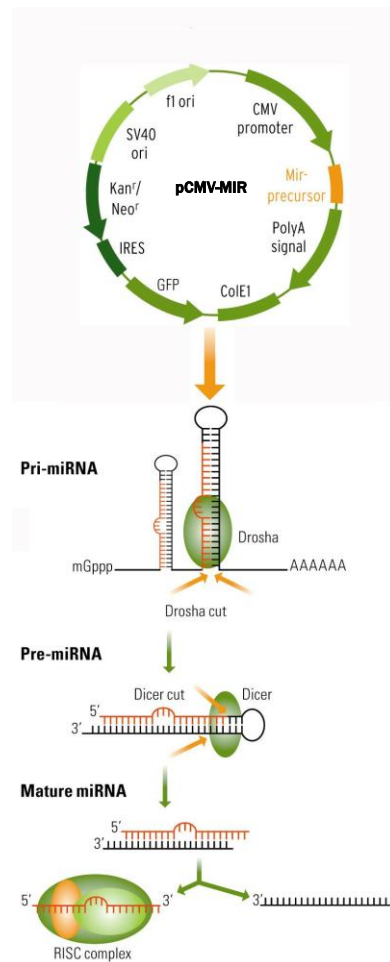


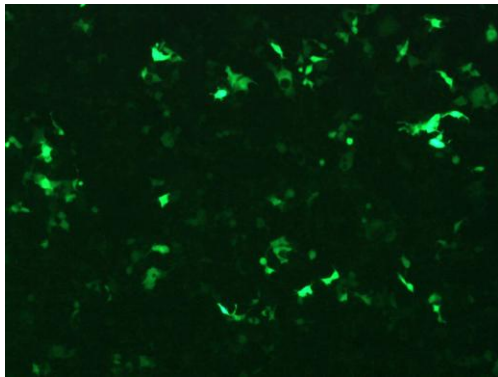
MicroRNA Expression Plasmids



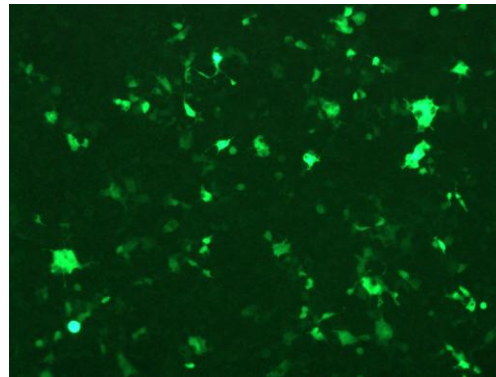
3 Levels of Validation

1. Sequence confirmation of the precursor sequence
 - All sequences are displayed on the website
2. Verify the GFP expression in the transfected cells
 - Next slide
3. Demonstrate the over-expression of the intended miRNA
 - The slide after

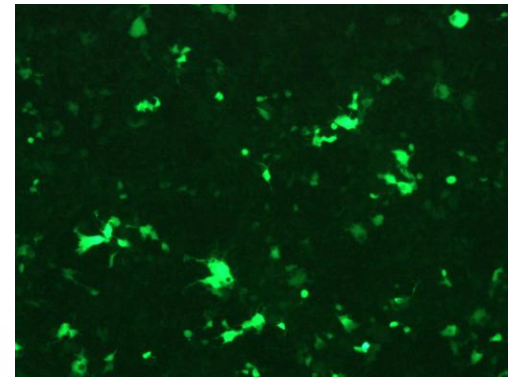
GFP expression of transfected cells



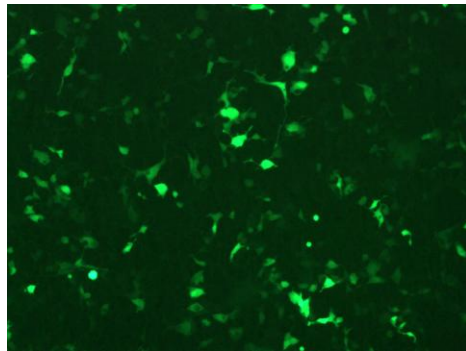
Mir205



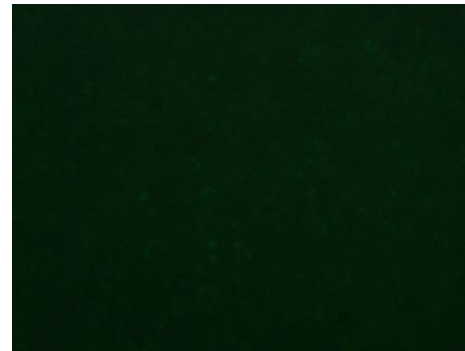
Mir143



Mir34b



Empty Vector



Non-transfected

Over-Expression of miRNA

Method: HEK293 cells were transfected with miRNA expression plasmids and the total RNA were isolated 48 hrs later. miRNA were detected using RT-PCR method from ABI ([TaqMan® MicroRNA Assays](#)).

All experiments were conducted in duplicates. Beta-actin were used as normalization control.

