

## Product datasheet for SC401959

### MIR5006 Human MicroRNA Expression Plasmid (MI0017873)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                   | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Precursor:                | AACCAUUAGGGGCGUGGUUUUGCCAGGGCAGGAGGUGGAAGGGAGCCCCAUUUACAGUGGUAACUCCUUUCCUUUCCAUCUGGCAGGCUUCAGAGAACUUU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mature Sequence:          | UUGCCAGGGCAGGAGGUGGAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Full insert:              | <p>&gt;MI0017873 AATACAGTGTAAAGTCAACATATTTGCTAGACCCGGGAGGTGAGCTGATTCCATATGAATCCCTATGGCT</p> <p>CTGTTATACCAAAAGAATATGAAATACCAAGAAATGGCAGTAAAGAAAGGAAGAAAATTTTTCTTTTCA</p> <p>AATTCAGTACTTTCTCACTGAAAAGACCTTTCTTTTCAGTTCCTGCTTTTGCTGTGTCTTTCTTGTTG</p> <p>CTCTTCCAAGCCTTTTCATTGTTTAATGACGACTAATTCAATGGTAGGCAGAGAGCAAGGTATTAGAAAGT</p> <p>AAAACTTCCTTTCTAAGAAACCATTAGGGGCTGTGGTTTGCCAGGGCAGGAGGTGGAAGGGAGCCCC</p> <p>ATTTACAGTGGTAACCTTCCTTTCCCTTCCATCCTGGCAGGCTTCAGAGAACTTTACCAGCTGGTCGGTC</p> <p>TTTCGTTGCCATGGATACCAAGGATATCCCTCAGATTTTACAACAGATCTTCACCTCCACCATGTTGTGCG</p> <p>AGTGTCTAAGAAGTGCCCTTCATCACCTGATGACACCAGGATTTGAAATAAGACAGGAATAAAGAGTAT</p> <p>TCTGAAAAAAGAAGATATGGATGAAGTGAACCCATGCAGTGACTGGATGATTCCGGCATTCTGGGTCT</p> <p>TCCTACACTTGCTCCGTAATGAGAATTCAGAGAAGCAGCCAGAAGGAGACTTAACATGGAAAGATACTC</p> <p>CACGTATGAG</p> |
| OTI                       | All miRNA clones were sequenced to ensure that the pre-mir sequences match reference sequence <a href="#">imiRBase</a> . The                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Disclaimer:               | flanking sequence of a miRNA clone may differ from the NCBI reference with respect to biological polymorphisms. This should not affect the function of the mature miRNA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Components:               | 1 x 10 ug vial miRNA plasmid lyophilized in a 2-D bar-coded Matrix tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Also Contains:            | Both mature and minor (star) miRNA can be over expressed from the construct.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq:                   | <a href="#">MI0017873</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |


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