

## Product datasheet for **SC401307**

### MIR3118-4 Human MicroRNA Expression Plasmid (MI0014207)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Precursor:                | CAUACUACAUAUUUUUCAUAAUGCAAUCACACACAAUACCGUGUGACUGCAUUAUGAAAAUUCUUCUAGUGUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mature Sequence:          | UGUGACUGCAUUAUGAAAAUUCU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Full insert:              | <p>&gt;MI0014207 CTCCTCATCTCTTTCAGGTACATTAATCAGTCATAGATTTAGTCGTTTATATAATCCCATATTTCTCGGA</p> <p>TGTTTTGTTTCATTCCCTTTCATTCTTTTTTCCCCATTCTTGTTGCCTGTTTTATTTTCAGAAAGCCAGT</p> <p>TTCCAGGTTCTGGGATTCTTTCCTCTTCTTGGTCTATTCTGTTGGATGGTCTTGACATGAGATGGAGCT</p> <p>GGTCTGACCTCAGCCCTCCCTAGTCTGCTTGCCTCTCCCAGGACCCAGCCTGGCCACATCTGCTTACAG</p> <p>GGCACTCTCAGGTGCCACACATACTACAATAATTTTCATAATGCAATCACACACAATCACCGTGTGACT</p> <p>GCATTATGAAAATTTCTTAGTGTGATTTACAGCTCTGTCAGGTCAAGTTATTTTCTTCTTATACTTGCT</p> <p>ATTTTGTCTGTTAGTTCTGCAATGTTTTACAATGATTTTACGTTCTTGTATTGGATTACAACATACC</p> <p>TCTTTCCTCAGGGAACCTTGTTCCTACCCATATCCTGAACCTGCTTGTATCATTTCAGACATCTCAGC</p> <p>CTCAGCCAGTTCTGAACACTTGCTGGAGAGTTGATGCAGTCATTGGAGAAAAGAAAGCATGCTGAATT</p> <p>TTTGAGTTTTCAGTGTTCTTGACAGTCTTTTCTCATCTTTATG</p> |
| OTI Disclaimer:           | All miRNA clones were sequenced to ensure that the pre-mir sequences match reference sequence in <a href="#">miRBase</a> . The 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="#">MI0014207</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:                 | 100422935                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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