

## Product datasheet for SC401737

### MIR4512 Human MicroRNA Expression Plasmid (MI0016878)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Vector:                   | pCMV-MIR (PCMVIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Precursor:                | CUCAGCCCGGGCAAUAUAGUGAGACCUCGUCUCUACAAAAAUUGAGACAGGGCCUCACUGUAUCGCCAGGCUGGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mature Sequence:          | CAGGGCCUCACUGUAUCGCCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Full insert:              | >MI0016878 ACGCTGAGGAAGTGCTCCCTCCGAAGGCTCGCCTAGACCCCTCTGGCCACCGACCCCTTCCTCCTGAGC<br>TGCTGTTTTCTAGTTTGTGGCGCTTGAAATGCTCTAGTTTTGCCAAGCCAGAAGGAACTCCTAGATC<br>CTCCCATGCTACCAAGGAAGAACTGAGGCCCTGGGAGAAGAGACTTGTCTAACGTCTGGAGCTTCCGG<br>TGGCTCTTGTTACTGACGCCATGGCCTTGAGGAGGAGTCGGGATTTAGGCCACGTGGGCCACTTCCCAA<br>ACCTGTGCTTAATGCAGCCCTCAGCCCGGGAATATAGTGAGACCTCGTCTCTACAAAAATTGAGACA<br>GGGCCTCACTGTATCGCCAGGCTGGAGTGACGTGACATGATCTCGGCTCACTGCAACCTCCGCCTTCTG<br>GGTTCAAGCGATTCTCGTGCTTACCTTCCCAAGTAGCTGGGATTACAGGTGTGCACCACCACGCCCGGC<br>TAATTTTGTATTTTAGTAGAGACGGGTTTCAACATGTTGCCAGGCTGGTTTCGAACTCCTGAGCTC<br>AAGCGATCAGCCCGCCTCGGCCTTCAAAGTGCTGAGATTACAGGCGTGAGCCACTGCGCCGGCCTTAC<br>AAAAAAATTAAATTAGCTGAGCGTGGTGGTGCCTGTAGTC |
| 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="#">MI0016878</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:                 | 100616149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |


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