

## Product datasheet for SC402032

### MIR548y Human MicroRNA Expression Plasmid (MI0016595)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                   | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Precursor:                | GCCUAAACUAAUAGGUUGGUGCAAAGUAAUCACUGUUUUUGCCAUUACUCUCAGUGGCAAAACCGUGAUUACUUUUGCACCAACCUAGUAAACCUUCACUGU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mature Sequence:          | AAAAGUAAUCACUGUUUUUGCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Full insert:              | <p>&gt;MI0016595 AACCGTAATCCCTCATCTCAATGTGATAGTGTGGAGGTGGTACCTTTCAGAGTCGATGAAGTAATACT</p> <p>GTTAGTGCTCTCATGGATGGGATTAGTGCTCTTATGAGAAGAGGCCATAGAGTAGCTAGCTCTTCCCT</p> <p>TCATATGAAAATAAGATCTTGGTAGTCTATAAACCAAGAAGTGAGCCTCAACAGACACATAATCTGCCAG</p> <p>CACCTTTATCTTGAACCTCCTAGCCTCCAGCACTATGAGAAACAACCTGTTTGTGTTTAAGCCACCAGCC</p> <p>TATAGTAGTTTGTGACAGCAGCCTAACTATTAGGTTGGTGCAAAAGTAATCACTGTTTTTGCATTACT</p> <p>CTCAGTGGCAAAACCGTGATTACTTTTGACCAACCTAGTAACACCTTCACTGTGGGGTGCAGACATG</p> <p>GCAGATGTGGAGCATCCAAGCTGGACTCTGATTAAAAAGCTAATTGAGGAAGTTACAATAAAGGATCTGG</p> <p>TTTGTGACAATGTGGAAATGTCTTATCTATCATCGAAGTCCTGAAATGCTTACAATTATGAAAGAGAA</p> <p>ATAGGCCGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCAGAGGCAGGCGGATCATGAG</p> <p>GTCAGGAGGTCGAGACCATCTGGCTAACACGGTGAAACCCCGTCTCTAACAAAAGTACAAAAATTAGC</p> <p>TGGCGTGGT</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="#">MI0016595</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:                 | 100500919                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |


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