

## Product datasheet for **SC401901**

### MIR4758 Human MicroRNA Expression Plasmid (MI0017399)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Precursor:                | GGUGAGUGGGAGCCGGUGGGGUGGAGUAAGGGCACGCCCCGGGGCUGCCCCACCUGCUGACCACCCUCCCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mature Sequence:          | GUGAGUGGGAGCCGGUGGGGUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Full insert:              | >MI0017399 ACTTGCTGGAGATGTCCGGGCCAGGGTGGGACTCGGCTGAAGGGCAGGCCCTGGGGTCAGGGAGGCGCT<br>GGAGTGGGAGGGGAGGGAGGTGGGAAGGGCGAGGGGTGGCGGGCCTCCCGTCACCCTGCCTTCCCTGCAG<br>GTGGACGTCCAGCTTCAAGTGGCAGTGCCACAGCCAGGCCGCTATGCCCTAGTGGTGGAGTACGCCAATG<br>AGGATGCCCGCCAGGAGGTGGGCGTGGCCGTGCACACCCACAGCGGGCCCCCAGCAGGGGCTGCTCTC<br>CCTGCACCCCTGCCTGTACAGGTGAGTGGGAGCCGGTGGGGCTGGAGTAAGGGCAGCCCCGGGGTGGCC<br>CACCTGCTGACCACCCTCCCCCACAGCACCTGTGCCGGGGCACTGCCCGGGATACCCAGGACCACCTG<br>GCTGTCTTCCACCTGGACTCGGAGGCCAGCGTGAGGCTCACAGCCGAACAGGCACGCTTCTTCTGGTAA<br>GGACCCCTCAGTCCCCACCCCAAGGGGTCAGCTTCTTTCAGAAGATTTGAAACATGCATGAGAGGGGAG<br>AGGACAGTTGGGGTCCCAGGTCCCCAAGGCGGCCACACTCGCTCATGCCAGCCCAGCATGTTTCTTCTG<br>GAACCCCTCCTGCAAGCGTTTTGTGGATTCAATCCCTTTTG |
| 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="#">MI0017399</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 100616340                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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