

## Product datasheet for **SC402576**

### MIR3964 Mouse MicroRNA Expression Plasmid (MI0016970)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species:                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Vector:                   | pCMV-MIR (PCMVIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Precursor:                | GGGCCUGCUUCCAAGUUUUGUAGCUAGCAAGGAGAACUCACAGCUUCAUAGGUAGAAAGCACUAAAUGGGCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mature Sequence:          | AUAAGGUAGAAAGCACUAAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Full insert:              | <p>&gt;MI0016970 AAGTCCTGCAGCCTGTGAGGGGCCAGCTCCAATGTGTTGCCAGGGAAGGTACAGAGCCTGCTCTCCAC<br/>         ATGCTACAGTTGGTGAGGGATTAGGGTGAAGTCTTAGGCTCTCATGCCCTTAGGCCAACTCCCCTGACTA<br/>         CTACAGGTGGCAAAAGGTGGGACTGGAGGGCATCACCAACACCCACACCACTACTTGCAAGCAGGAGCA<br/>         TGGCAGTGCCAGATCTCTGGTGCCCTGGTGTGGCTTACGCAATTGCCTTCCAAAAGGGCCAGCTCTAATG<br/>         TGCTCCTTGGGTGAAGTGCAGGGCCTGCTTTCCAAGTTATGTAGCTAGCAAGGAGAACTCACAGTTCAT<br/>         AAGGTAGAAAGCACTAAATGGGCCTTGAACTTCTGAAGTCTCAAAGCCACCCCAATGGTATAGTTCCTC<br/>         CAACAAGGTCATACCTTCTAATCTTTCCCACTAGTTTCACCAATGGGGATGTTATATATGAACATTATG<br/>         GTTGCCATAATTGTTCAAATGACTATAAATACTAAAGAAGGCTGCATCATTTTTTTCTTGTGAAACATT<br/>         GCTGTCCTAAGATCTGTGTTTCACAGATTGTAGTTGTAATTTTAAACATCTGTGAACAATGCATATTTTAG<br/>         GATACATCTACTTTAACATCTAAAAATACTTAAGATACTTT</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="#">MI0016970</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms:                 | mmu-mir-3964 mu-mir-3964                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:                 | 100628607                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |


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