

## Product datasheet for SC402711

### MIR6379 Mouse MicroRNA Expression Plasmid (MI0021910)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                   | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species:                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Precursor:                | CCAGCAAACAGUUGGUUGAGUCAGGUCAAGGUCUAGCAGUGAAAGCUUUGGGAAAAUGUCUCCUGGAGUUUUACAGCUAGAUAAAGUCAGGCACCCUCAGAUAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mature Sequence:          | UCCUGGAGUUUUACAGCUAGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Full insert:              | <p>&gt;MI0021910 CTCAGGCTTGAAGGAAGCAATTTTACTCACTGAGCCAGACATCCATGGTATTTAAACTAAATTGCAAA</p> <p>GAACAATGTATTGCAAAGTCAATTTGCTTACCAGGGGCTATTGTGAGGAATCTGCAGGGCTCTGACCT</p> <p>GGCTGAAGAATCCAAAGAATTGTAGTTTTCTCAGGGTTCTGCCTGAGCAAGGTGGGCTGTTGGGCCTCTT</p> <p>TTTTGTCTACCCAGAATCAGTGTAGGCAGGAATATGCAGCAGGCAGCTGGGAGCCAAGGTCAGGGCCA</p> <p>CTGAGCAGTTGTGCTAGGCTCCAGCAAACAGTTGGTTGAGTCAGGTCAAGGTCTAGCAGTGAAAGCTTTG</p> <p>GGAAAATGTCTTCCCTGGAGTTTTACAGCTAGATAAGTCAGGCACCCTCAGATACTCTTTGGTGAATAA</p> <p>CACATGTGTTTTATTCTTGTGGATAGGACCTTAAAAACATTGGGGAATGGGCTGGGATCTAGAGGAAGA</p> <p>TGCTTTCTATTGGCTCTGTTGAGATGTTAGGGGTGCCTCATCTGCTTGTAGGACTTTGAGTATCATTGCC</p> <p>CCTATGTGACTGATTGTCACAGTCCTCTCAATGGGGTGTAACTTTCACATATTACAGGGAAGGAACCTGA</p> <p>TTGGGAGTAGATTTAGAAGCCCATCTTCAATTATGGAAAGTGTCTAGTTTCCTGAATCCTCTAAACC</p> <p>TACCTTCCTTTCTTT</p> |
| OTI                       | All miRNA clones were sequenced to ensure that the pre-mir sequences match reference sequence <a href="#">imiRBase</a> . Th                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disclaimer:               | sequence of a miRNA clone may differ from the NCBI reference with respect to biological polymorphisms. This sho<br>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="#">MI0021910</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |


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