

## Product datasheet for **SC402627**

### MIR5122 Mouse MicroRNA Expression Plasmid (MI0018031)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species:                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Precursor:                | GUCCGCUACCGCGGGACCCGGGCGUGUGUCAGGUCUGGAAGUGGAGCUGGAGCUGACCGAAGGAGCUGCCGUGGGCCGGGGUGGAACA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mature Sequence:          | CCGCGGGACCCGGGCGUGUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Full insert:              | >MI0018031 ATCTCCACCTTACAGTTGAGAAAGCTGTGAAACAGAGAGGCTAAATAACTTGTTCAAAGTCACATGCTAA<br>CAAGAAAACACTTTGTAGATAGTACAGTATGTCACTCGTGTTAGATTGTACTTTTTTTTTTTTTTTTTTTT<br>TTTCCAATTTAGGTCTCGGCTTCTCTTCTTACGTGACACTTCCCTTCCCTGGGCGACAGGGGCCGCTGCA<br>CCGCGCGGGCGCTGACAGGTCTCTCTAGCTTGTGCGCCTGCTACTCGTTGGTGCCTATAAATGGCTGCG<br>CTGTGCTCAGCGAGGCATCAGTCCGCTACCGCGGGACCCGGGCTGTGTGAGTCTGGAAGTGGAGCTGG<br>AGCTGACCGAAGGAGCTGCCGCTGGGCCGGGTGGAACACAGCTCTGCACCGGGGTCTTAAGGAGGGGTG<br>TGTGCTGCTGGCTCACTGCGAGCCGCTCCAGCCTGCGCCGAGGCACCTTCCCGCCAGGCCGTCTGCCT<br>CTGTCTTCCGCTCCCTCCATTTCCCGGAATCTCAGCCCGCGCGGCTGGACCCTGGCTCTCCTGTGGG<br>TGGGAAAGCCCCAGCCTTTTCTCTGCTATACTCCTTTATCCAGGCTGGCCTTCCAGCCTTCTCTCGCCT<br>TTCCCTGCGGAGTGGTCTCACCCTTTCCGTCTTTAGCCCAGGCTCCTTACCCTCCC |
| 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="#">MI0018031</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Synonyms:                 | mmu-mir-5122 mu-mir-5122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 100628620                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |


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