

## Product datasheet for **SC403246**

### MIR27a Rat MicroRNA Expression Plasmid (MI0000860)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Species:                  | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Precursor:                | UGGCCUGUGGAGCAGGGCUUAGCUGCUUGUGAGCAAGGUCUACAGCAAAGUCGUGUUCACAGUGGCUAAGUUCGCCCCUGGACCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mature Sequence:          | AGGGCUUAGCUGCUUGUGAGCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Full insert:              | >MI0000860 TCCATT CAGAAACCACCTCCACTGTGTGAGACCCTGCCTGGGATTATAGACAGGCAGACAAACAGGCCTC<br>CTCCCGATCTCACTTTCTCTTTCTCTCCCATAGGTGCTACACTCCGATCCCACCTGCTGTCCCTCACT<br>GTGCCTCGGCCGGCTGGGGTTCTGGGGATGGGATTTGATGCCAGTCACAAATCACATTGCCAGGGATTT<br>CCAACTGACCTGTGCCCTGCCTTGGGGCTCGTGTGCAAGGACGTTTATCTTGGGTGCTGGGTGACA<br>GAGAAGCCCAGCATGACCACTGGCCTGTGGAGCAGGGCTTAGCTGCTTGTGAGCAAGGTCTACAGCAAAG<br>TCGTGTTACAGTGGCTAAGTCCGCCCCCTGGACCCCATCTCCCAGGCCGCTGCCGCCACCTGCTC<br>TGATCTGCCTCTCCCTGGGCTCCGCTCCTGTGCCTACTGAGCTGAAACAGTTGATTCCAGTGCACTGG<br>CTCAGTTCAGCAGGAACAGGAGTCCAGCCCCATAGGAGCTGGCAACCCTGCAGAATGTCCGCATGACT<br>GAGACCTGGAGTGGGGACCAGAAAATGATGGGGTAATTAGTCCCACCTAGGCCCTTATCTGTTGTGGGCT<br>CTCCCTCTAAGCCTTCATCTGGGTGTCCACCCCGTATGGCCACACCTTGAGATTCT |
| 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="#">MI0000860</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms:                 | rno-mir-27a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:                 | 100314006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



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