

## Product datasheet for **SC400658**

### MIR769 Human MicroRNA Expression Plasmid (MI0003834)

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                   | MicroRNA Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species:                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Vector:                   | pCMV-MIR (PCMVMIR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Precursor:                | GCCUUGGUGCUGAUUCCUGGGCUCUGACCUGAGACCUCUGGGUUCUGAGCUGUGAUGUUGCUCUCGAGCUGGGAUCUCCGGGGUCUUGGUUCAGGGCCGGGGCCU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mature Sequence:          | UGAGACCUCUGGGUUCUGAGCU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Full insert:              | <p>&gt;MI0003834 TGGGGAGAAATGTGGAGGAAGAGAAATTGGGGGTATAATTGGGACCTGTGTGTCTGTGCCTCGGAGGCA</p> <p>GATTGGGACTCAGGCCTAGGAAAAGCTTGTACACTCTCTAAACAGTGAAGGGCAGACCTGGGAGGAGTA</p> <p>GTGAGCAGCCCGTCCCTAAAGGAGTCCAAGCAAAGTTTCTGCGCAGGATGCCTTTGGCTGTGTGGTGGGA</p> <p>AGGAGGTGTCTTGCAGCGTGGTTCACCTGCCAGGAGGACCCAGGACCCACTGTTGGTGACATCCCGGC</p> <p>CGCCTTGGTGCTGATTCTGGGCTCTGACCTGAGACCTCTGGGTTCTGAGCTGTGATGTTGCTCTCGAGC</p> <p>TGGGATCTCCGGGTCTTGGTTCAGGGCCGGGGCCTCTGGGTTCCAAGCACCAGTGAGGAGAGTGCTGGG</p> <p>AGGGGAAGGGGTGGGAGGGCTTTGGTCTTGTGGGAGGAGAGAAGGAGGGGAGGTGTGTGGTGGGACCTG</p> <p>CTGAGGAACACATTTTGTAGCTACATCTTTATTGGAGAAGGAGACAGTGGGGTTTTTGGCCATGGGAGGGG</p> <p>AGGAATGGGGTGCGGATCAGCAGGGCCTCAGGGGGAGCGGTAGTGTGGCCAATTCTGGATGAGGTGGTAG</p> <p>AGCTGGTTGCCTGGAGAGAGTGTACGCTGCACATCCCGGTGTCCTTTGAGCACATAGTTGGACCTC</p> |
| OTI                       | All miRNA clones were sequenced to ensure that the pre-mir sequences match reference sequence <a href="#">imiRBase</a> . The                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Disclaimer:               | sequence of a miRNA clone may differ from the NCBI reference with respect to biological polymorphisms. This sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                           | 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="#">MI0003834</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |


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