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# Product datasheet for MR200487

## Mien1 (NM_025559) Mouse Tagged ORF Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Mien1 (NM_025559) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Mien1 |
| **Synonyms:** | 1810046J19Rik; AI463380; Rdx12 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **ORF Nucleotide Sequence:** | >MR200487 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s)<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGAGTGGGGAGCCAGCGCCGGTGTCCGTAGTGCCCCCTCCCGGGGAGGTGGAAGCAGGCAGTGGAGTCC<br>ACATCGTGGTGGAGTACTGTAAACCCTGCGGCTTTGAGGCGACCTACCTGGAGCTGGCGAGCGCTGTGAA<br>GGAGGAGTATCCGGGCATTGAGATTGAGTCGCGACTCGGGGGGACAGGGGCCTTCGAGATTGAGATCAAT<br>GGACAGCTGGTGTTCTCCAAGCTGGAGAATGGAGGGTTTCCTTATGAGAAAGACCTCATGGAAGCCATCC<br>GAAGAGCCAGCAATGGAGAACCTGTAGAAAAGATCACCAACAGCCGGCCTCCCTGTGTCATCCTG<br><br>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAGGTTTAA |
| **Protein Sequence:** | >MR200487 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSGEPAPVSVVPPPGEVEAGSGVHIVVEYCKPCGFEATYLELASAVKEEYPGIEIESRLGGTGAFEIEIN<br>GQLVFSKLENGGFPYEKDLMEAIRRASNGEPVEKITNSRPPCVIL<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Restriction Sites:** | SgfI-MluI |

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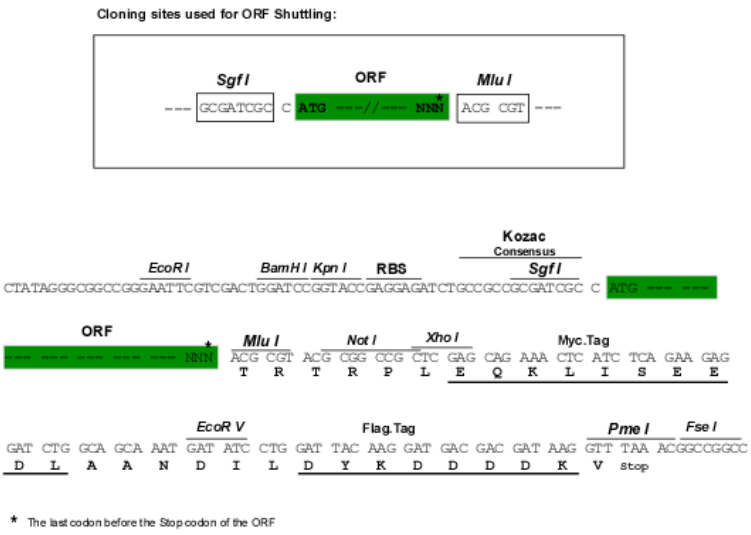
**Cloning Scheme:**

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| **ACCN:** | NM_025559 |
| **ORF Size:** | 348 bp |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **Components:** | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| **RefSeq:** | NM_025559.2, NP_079835.1 |
| **RefSeq Size:** | 762 bp |
| **RefSeq ORF:** | 348 bp |

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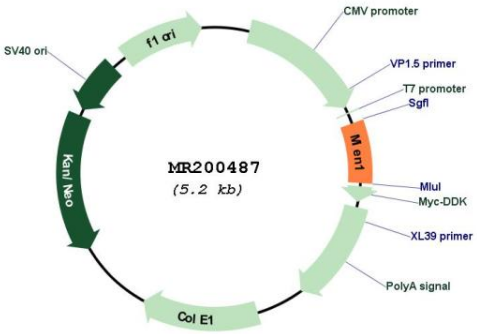
| **Locus ID:** | 103742 |
| **UniProt ID:** | Q9CQ86 |
| **Cytogenetics:** | 11 D |
| **MW:** | 12.3 kDa |
| **Gene Summary:** | Increases cell migration by inducing filopodia formation at the leading edge of migrating cells. Plays a role in regulation of apoptosis, possibly through control of CASP3. May be involved in a redox-related process (By similarity).[UniProtKB/Swiss-Prot Function] |

## Product images:




Circular map for MR200487