

Product datasheet for **MC200382**

Mrg2 (BC003762) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrg2 (BC003762) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrg2
Synonyms:	Meis3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC003762

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CCCACGCGTCCGGCCGCCACCCTCGGCCGCGATCCGCGGGTCTTGGCCACTCGGAGACCCTGGCACC
CGGCGGGGACCTCGGGGACCTCCTGCCGCGATGAGCTCCAGGCCGTGACCTCCCGAGCCAGGACGGCG
GCGCCGGCTCATGGCCCGAGGTATGATGAGCTGCGCCACTACCCAGGCATTACAGAGCAGATGACAGCC
CTGGCCAGCTTTTCAGAGGCAGCGCCTTCAGTACCTAGAGCCCTGGGCCCTACACCCACACCGGCCAC
CCCAGCTCCAAGCTCCAGGCTTGGACAGCGACAGCTTGAAGAGAGAGAAGGATGACATCTATGGACACC
CCTCTTCCCACTCTTGGCCCTGGTCTTTGAGAAGTGTGAGCTGGCTACATGCTCGCCCCGTGATGGGGCC
TCGGCTGGGCTGGGTTACCCCCAGGTGGTGACGTCTGCTCCTCTGACTCCTTCAATGAGGATATTGCTG
CCTTTGCTAAGCAGATCCGCTCCGAGAGGCCGCTGTTCTCTTCAACCCGGAGCTGGACAACCTGATGGT
CCAGGCCATCCAGTACTCCGTTCCACCTGCTGGAGCTGGAGAAGGGGAAGATGCCCATAGACCTGGTG
ATTGAGGATCGGGATGGTAGTTGCAGGGAGGATCTTGAGGACTACGCAGCCTCCTGCCCCAGCCTCCCAG
ACCAGAATACTACATGGATCAGAGACCATGAGGACAGTGGGTCTGTACATCTGGGGACCCAGGTCCATC
CAGCGGAGGCCTGGCCTCCCAGAGTGGGGACAACCTCAAGTGACCAAGGAGATGGGCTGGACACAAGCGTA
GCCTCTCCAGCTCCGCAGGAGAGGATGAGGACCTGGACCTGGAACGCAGACGGAACAAGAAGAGGGGGA
TCTTTCCCAAAGTGGCCACCAACATCATGAGGGCTGGTTGTTCCAGCATCTCTCGCACCCGTACCTTC
AGAAGAGCAAAAGAAACAGCTGGCCAGGACACAGGGCTCACCATCCTGCAGGTGAACAAGTGGTTATT
AATGCCCGGAGACGAATAGTGCAGCCCATGATTGACAGTCTAATCGCACAGGGCAGGGTGATCTTTCA
ACCCTGAGGGCCAGCCCATGGCAGGCTTCACAGAGACTCAGCCACAAGTGACAGTCAGGACACCAGGATC
AATGGGGATGAACCTGAACCTAGAAGGAGAGTGGCATTACCTATAGAGGCTGGGTTCAAAGGGAAGGTGG
GAAGGCCCCAGCCTCTGACTGTGACCACAGCCTTGACACCTAATTGGTCCCTGCTGGTCTTGGGCTTCA
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AAGAGCCCACTTGAGGGTCTCTCAAGGGCAAAGACAAAGCCTCCAGGTCCTGCACCTTCTTCTGCCCTC
CCCTTTGCCAGGACCTAAGCAGAAAAGTGGGCCAAGGTCTGAAGAAGATGGTGGCTGGGGCCCCGACCC
AGGACAGAGAAGAGACTGGGGTTGGACAAGGATGGTCAAGGAAGAAGGTCACCTGGATCCAATGTTTGG
AAGAATCTCCATCTTCTGCCCTCTGCCTCCCCACCTCCCTTCTCTGACATTCTTCTACTTTTCCTTT
TTTAATAATAAAGTCTTTAAATGCAAAAAAAAAAAAAAAAAA

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Restriction Sites:	RsrII-NotI
ACCN:	BC003762
Insert Size:	1086 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC003762 , AAH03762
RefSeq Size:	1721 bp
RefSeq ORF:	1086 bp
Locus ID:	17537
Cytogenetics:	7 8.76 cM
Gene Summary:	The protein encoding this gene belongs to the three amino acid loop extension family of homeodomain transcription factors, which play essential roles in many embryonic processes. These proteins are characterized by an atypical homeodomain containing a three amino acid loop extension between helices 1 and 2. Expression of this gene begins during the compaction stage of embryogenesis and continues into the blastocyst stage. This gene is also expressed in pancreatic islet cells and beta-cells and regulates beta-cell survival. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]