

## Product datasheet for **MC201695**

### Mapre2 (NM\_153058) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mapre2 (NM\_153058) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mapre2  
**Synonyms:** AI314113; C820009F03Rik; D18Abb1e; EB1; EB2; RP1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC035254 sequence for NM\_153058  
 GCAGGGTGAGCAGCAAGCAGCGGGGAGACACAACCCCTCCGCCCCAGTCAGCCACCAGCGTGTGTTCCCTCT  
 GTCGGGAGAGCGCCAATGCCCGGGCCGACCCAAACGTTGTCCCAAATGGCGAGAACAACAACGACATCA  
 TCCAGGATAACGGGACTATCATTCCCTTTCCGGAAGCACACAGTGCAGCGGGAGCGGTCTACAGTTGGGG  
 AATGGCGGTCAATGTGTATTCTACCTCGATAAACCAGGAGACTATGAGCAGGCATGACATCATTGCATGG  
 GTCAATGACATCGTGTCTCTAACTACACAAAAGTGGAACAGCTCTGTTCCAGGAGCAGCCTATTGCCAGT  
 TCATGGACATGCTCTTCCCGGGCTGTATTAGTTTGAAGAAAGTAAAATCCAAGCAAAGTTGGAGCATGA  
 GTATATTCACAACCTTAACTTCTGCAAGCATCCTTTAAACGGATGAATGTTGATAAGGTAATCCCAGTG  
 GAGAAGCTGGTGAAGGGCGTTTCCAAGACAACCTGGATTTTATTCAGTGGTTTAAAGATTCTACGATG  
 CTAACATGACGGGAAGGAGTACGATCCTGTTGAGGCCGACAAGGGCAAGATGCAATTCCTCCCCCTGA  
 CCCTGGTGAACAGATCTCAACCTGCCAAGAAGTCGCACCATGCAAACCTCCCCACAGCAGGCGCGGCT  
 AAGTCAAGTCCTGCATCTAAGCCAGGATCCACACCTTCTCGCCCCCTGCTGCCAAAAGGGCTTCATCCA  
 GTGGCTCTGCATCCAGATCTGACAAAGATTTAGAAACGCAGGTACATACAGCTCAACGAGCAGGTATATTC  
 ATTGAAACTCGCCCTAGAAGGTGTGGAGAAGGAGAGGGATTTCTACTTCGGGAAGTTGAGAGAGATTGAG  
 CTGCTGTGCCAAGAACATGGGCAGGAGAACGATGACCTCGTGCAGCGACTAATGGAAGTGTCTACGCTT  
 CCGATGAACAGGAGGGCCAAACGGGAAGGCCAGAAGCAGAGGAGCAAGCCATGACCAGCAGCCCCAGCA  
 GCAGGAGGAGTACTGAACCGTCTCATCAGCTCTTGACACTTCCATCGTGCGTGGGGACTTTGCTTCCAGA  
 GAATTGGAACGTGTGTGGCCTGGAGCGCAGTAGAAACAGCCGTTCCCAACCTATTCCCATTGACAGTGA  
 TCTTGCATCCGCCAGCCATTGCTCTTGGCTCCCCTTCCCTGCCAAGATGCGTTAGCAGATGGCCATTC  
 TGGTCAGCTCCCTGCCAGGTCATAGGGTCACATACCGTCAACTCACCTCCTGGCTGCTTAAGACTAGTT  
 CTACTCCCCCTCATAACTATGTCCCACCCCAACACCATCACCACCACCACCACCACCACCACCCCTTTT  
 TATCCTGGTGTGAAACAATGGTAATTTGATATATGGTATTTATATTGGCATTTTTCAATCCAGTGTGAGT  
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 ACAGTTTCTCCCTCTACTCACAACACTAAAGGGAAAAAGGTGGATTTCAGAACTATGACTTCAGGGCCCAG  
 CAGTGTGATAGAGCAGCATATTAGACAAACACACAGTTGTTAGTTTTTCAGACATTCGCTCACGGACAA  
 ACCATCTCAGCTTGGCCCTTGTCCGTGTGCCACTCCTGCCCCCTCCCCAGGTTTTCTGTTATTTT



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CTTTCTCAGGGTCCTTTCTTTGGTGGGGTCCACTCCCCGAAAGATGTTGTCATTGGCAATCTGCAGTTG
CAAAGGGGGTAGGGTGGTCTCAGAAGGCACGAGGCTTCCTGCCTCTTCCCTCTTCCCTCTTGAAGAGCT
TCAACCCAAGTCTCCAATTCACATTAAGGAATCCATACTAAAGGGGGACTTGAGGGTGTGTACCCTACA
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TCTCCTACCTTGCATTGAGGATGCACAGTTCTTAAGTCTGGCCAGCCAGCTCATCATTGGGTCC
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GGTCTTATTCAGATGCTTCATGTCCATTTACATTACCCATCTACTGTGCATGGTAGGATAGCTTTTTG
TCTCTGAATATGTGAATAACTTGACTTGGGTTGATCTTTTACATATTTAATAAAAAAATAACGTTAA AAAAAAAAAAAAA

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_153058
- Insert Size:** 981 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.
- RefSeq:** [BC035254](#), [AAH35254](#)
- RefSeq Size:** 4003 bp
- RefSeq ORF:** 981 bp
- Locus ID:** 212307
- UniProt ID:** [Q8R001](#)
- Cytogenetics:** 18 12.08 cM
- Gene Summary:** May be involved in microtubule polymerization, and spindle function by stabilizing microtubules and anchoring them at centrosomes. May play a role in cell migration (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).