

## Product datasheet for MC205269

### Mip (NM\_008600) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mip (NM\_008600) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mip  
**Synonyms:** Aqp0; Cat; Cts; Hfi; Lop; MIP26; MP26; shrivelled; Svl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC082567

```
AGGGACCCAGGCACTGTGTTACCCCCACTGCCATGTGGGAACCTCGGTCTGCCTCCTTTTGGAGGGCCA
TATTTGCTGAGTTCTTTGCCACCCTCTTCTATGTCTTCTTTGGGCTTGGAGCCTCGCTACGTTGGGCCCC
TGGGCCCCACATGTCTTCAAGTGGCTTTGGCCTTTGGCCTGGCCTTGGCTACATTGGTGCAGACTGTG
GGTCACATCAGTGGAGCCCATGTCAACCCTGCGATCACTTTTGCCTTCTTGTGGGCTCCCAGATGTCTT
TGCTCCGGGCTTTCTGCTATATAGCAGCCAGCTTCTGGGAGCTGTGGCTGGGGCGGCTGTGCTGTACAG
TGTCAACCCACCAGCTGTCCGAGGAAACCTAGCGCTCAACACGCTGCATGCTGGGGTGGAGCTGGGCCAG
GCCACCACTGTGGAGATCTTCTTGACGCTCCAGTTCGTGCTCTGCATCTTTGCTACATACGACGAGAGGC
GGAATGGCCGCATGGGCTCTGTAGCCCTGGCTGTTGGCTTCTCCCTCACCTGGGGCACCTTTTGGGAT
GTATTACTGTTGCGGGGATGAACCCAGCCCGCTCCTTTGCTCCTGCCATCCTCACCCGGAACCTCAGC
AACCACTGGGTGTACTGGGTGGGCCCGATCATCGAGGGGGCCTGGGCAGCCTACTCTATGACTTTCTCC
TCTTCCCCGGCTCAAGAGTGTTTCTGAGAGACTGTCTATCCTGAAGGGAGCCAGACCCAGTGACTCCAA
TGGACAGCCAGAGGGTACAGGGGAACCTGTGAACTGAAGACTCAGGCCCTGTAAAAGCTCCAGTTGGAG
AGAGCCGCAGAAAAGCCGCTGGGTTTCAGGGAGGGCCAAACCGGCCCTTGGATGAAGAAAAGAGACTGTGGG
GAGGGTCATGTACTTCTTTATTTTTTAACTTACGTTTTTCATTTTTTCCCCCTTTTGTGTGTGAAATC
TTTCAAGTTGCATTACGAAAAAAAAAAAAAAAAAAAAA
```

**Restriction Sites:** AscI-NotI  
**ACCN:** NM\_008600  
**Insert Size:** 792 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).



[View online »](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC082567</a></u> , <u><a href="#">AAH82567</a></u>
<b>RefSeq Size:</b>	1018 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	17339
<b>UniProt ID:</b>	<u><a href="#">P51180</a></u>
<b>Cytogenetics:</b>	10 76.49 cM
<b>Gene Summary:</b>	Water channel. Channel activity is down-regulated by CALM when cytoplasmic Ca(2+) levels are increased. May be responsible for regulating the osmolarity of the lens. Interactions between homotetramers from adjoining membranes may stabilize cell junctions in the eye lens core.[UniProtKB/Swiss-Prot Function]