

## Product datasheet for MC212220

### Mpi (NM\_025837) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mpi (NM\_025837) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mpi  
**Synonyms:** 1110002E17Rik; AI315153; Mpi-1; Mpi1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212220 representing NM\_025837  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCGAGTCCGCGAGTGTCCCACTTTCTGTGTGGTGCAGCAGTATGCCTGGGGGAAGGTGGGCTCCA  
 AAAGTGAAGTGGCATGCCTGCTGGCTAGCAGTGATCCACTGGCCAGATTTAGAGGACAAGCCATATGC  
 AGAGCTGTGGATGGGACACACCCCGGGGAGATGCCAAGATCCTTGACAACCGTATTTCCAGAAGACC  
 TTAGGCCAGTGGATTGCTGAAAACCCGGACTGCTTGGGCTCAAAGGTCAAAAACACCTTTAATGGAAGC  
 TGCCCTTCTCTTCAAAGTACTGTCAAGTGGACACGGCCCTGTCTATCCAGGCACACCCCTAAACAAGGAGCT  
 GGCAGAGAAGCTGCATCTCCAGGCTCCAGAGCACTACCCTGATGCCAACCACAAGCCAGAAATGGCCATT  
 GCCCTTACCTCCTCCAGGGCTTGTGTGGTTTCCGGCCAGTGGAGGAGATTGTGACCTTTATGAAGAAGG  
 TGCCTGAGTCCAGTTGCTGATTGGAGATGATGCCACAGCACAGCTGAAGGAGAGCGTGGGTGGGATAC  
 TGAGGCCATGGCTTCTGCTCTGAGGAAGTCTTTCCACCTGATGAAGAGTGAGAAGAAGGTGGTGGTG  
 GAGCAGCTTAACCTGTTGGTAAACGGATCTCCAGCAAGTATTTGACGGAAACAATATGGAGGACATTT  
 ATGGGAAGCTCTTGTGCAGCTGCACCAACAGCACCCAGGTGATATCGGATGTTTTCGCCATCTACTTCT  
 GAACCTGCTCACCTTGAAGCCTGGGAAGCCATGTTTCTGGATGCCAACGTACCCATGCCTACCTGAAG  
 GGAGACTGCGTGGAATGCATGGCATGTTTCGGACAATACCGTGCCTGCTGGCCTGACACCCAAATTCATTG  
 ATGTGCCAACCTGTGTGAAATGCTCAACTACACACCTAGCCCCAGCAACAACAGGCTGTTTGCCCCAGC  
 ACAGAGTCAAGATGACCCCTATCTCTATCTATGATCCTCCTGTGCCAGACTTCACTGTTATGAAGATG  
 GAGGTCCCTAGCTCTGCACTGAATACAAAGTCTCAACTAGACTCTGCCAGCATCCTTCTGATGGTCC  
 AAGGGACAGTGACAGCTATCATACCTTCAGCCCATGCAGAAATCCCTCTGTACCGTGGTGGAGTGCTCTT  
 CATTGCAGCCAATGAGAGTGTCTTACTGAAGTACTGTGCCAAGGATCTGCTGATATCCGGGCTGCG  
 TGCTGCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_025837
<b>Insert Size:</b>	1272 bp
<b>OTI Disclaimer:</b>	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).
<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="#">NM_025837.2</a></u> , <u><a href="#">NP_080113.1</a></u>
<b>RefSeq Size:</b>	1757 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	110119
<b>UniProt ID:</b>	<u><a href="#">Q924M7</a></u>
<b>Cytogenetics:</b>	9 31.05 cM
<b>Gene Summary:</b>	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the protein-coding transcript.