

Product datasheet for **MC218535**

Mpi1 (BC009068) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpi1 (BC009068) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mpi1
Synonyms:	1110002E17Rik; AI315153; Mpi-1; Mpi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC009068
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGGGTCCGCGAGTGTCCCACTTTCTGTGTGGTGCAGCAGTATGCCTGGGGAAGGTGGGCTCCA
 AAAGTGAAGTGGCATGCCTGCTGGCTAGCAGTGATCCACTGGCCAGATTTCAGAGGACAAGCCATATGC
 AGAGCTGTGGATGGGACACACCCCGGGAGATGCCAAGATCCTTGACAACCGTATTTCCAGAAGACC
 TTAGGCCAGTGGATTGCTGAAAACCCGGACTGCTTGGGCTCAAAGGTCAAAAACACCTTTAATGAAAGC
 TGCCCTTTCTCTTCAAAGTACTGTCAGTGGACACGGCCCTGTCTATCCAGGCACACCCTAACAAGGAGCT
 GGCAGAGAAGCTGCATCTCCAGGCTCCAGAGCACTACCCTGATGCCAACCACAAGCCAGAAATGGCCATT
 GCCCTTACCTCCTCCAGGGCTTGTGTGGTTTCCGGCCAGTGGAGGAGATTGTGACCTTTATGAAGAAGG
 TGCTGAGTTCAGTTGCTGATTGGAGATGATGCCACAGCACAGCTAAAGGAGAGCGTGGTGGGGATAC
 TGAGGCCATGGCTTCTGCTCTGAGGAAGTCTTTTCCACCTGATGAAGAGTGAGAAGAAGGTGGTGGTG
 GAGCAGCTTAACCTGTTGGTGAAACGGATCTCCAGCAAGTATTTGACGGAAACAATATGGAGGACATTT
 ATGGGAAGCTCTTGCTGCAGCTGCACCAACAGCACCCAGGTGATATCGGATGTTTCGCCATCTACTTCT
 GAACCTGCTCACCTTGAAGCCTGGGGAAGCCATGTTTCTGGATGCCAACGTGCCCATGCCTACCTGAAG
 GGAGACTGCGTGGAAATGCATGGCATGTTTCGGACAATACCGTGCCTGCTGGCCTGACACCCAAATTCATTG
 ATGTGCCAACCTGTGTGAAATGCTCAACTACACCTAGCCCCAGCAACGACAGGCTGTTTGCCCCAGC
 ACAGAGTCAAGATGACCCTATCTCTATCTATGATCCTCTGTGCCAGACTTCACTGTTATGAAGATG
 GAGGTCCCTAGCTCTGCTACTGAATACAAAGTCTCAACTAGACTCTGCCAGCATCCTTCTGGTGGTCC
 AAGGGACAGTGACAGCTATCATACCTTCAGCCCATGCAGAAATCCCTCTGTACCGTGGTGGAGTGCTCTT
 CATTGCAGCCAATGAGAGTGTCTTACTGAAGATTACTGTGCCCAAGGATCTGCTGATATCCGGGCCTGC
 TGCTGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC009068

Insert Size: 1272 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:	BC009068 , AAH09068
RefSeq Size:	1424 bp
RefSeq ORF:	1271 bp
Locus ID:	110119
Cytogenetics:	9 31.05 cM
Gene Summary:	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]