

Product datasheet for **MG206729**

Mpi1 (BC009068) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpi1 (BC009068) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpi1
Synonyms:	1110002E17Rik; AI315153; Mpi-1; Mpi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206729 representing BC009068 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGGTCCGCGAGTGTCCCACTTTCTGTGTGGTGCAGCAGTATGCCTGGGGGAAGGTGGGCTCCA
 AAAGTGAAGTGGCATGCCTGCTGGCTAGCAGTGATCCACTGGCCAGATTTAGAGGACAAGCCATATGC
 AGAGCTGTGGATGGGACACACCCCGGGAGATGCCAAGATCCTTGACAACCGTATTTCCAGAAGACC
 TTAGGCCAGTGGATTGCTGAAAACCCGACTGCTTGGGCTCAAAGGTCAAAAACACCTTTAATGAAAGC
 TGCCCTTTCTCTCAAAGTACTGTCAGTGGACACGGCCCTGTCTATCCAGGCACACCCTAACAAGGAGCT
 GGCAGAGAAGCTGCATCTCCAGGCTCCAGAGCACTACCCTGATGCCAACCACAAGCCAGAAATGGCCATT
 GCCCTTACCTCCTTCCAGGGCTTGTGTGGTTTCCGGCCAGTGGAGGAGATTGTGACCTTTATGAAGAAGG
 TGCTGAGTTCCAGTTGCTGATTGGAGATGATGCCACAGCACAGCTAAAGGAGAGCGTGGGTGGGATAC
 TGAGGCCATGGCTTCTGCTCTGAGGAAGTCTTTCCACCTGATGAAGAGTGAGAAGAAGGTGGTGGTG
 GAGCAGCTTAACCTGTTGGTGAAACGGATCTCCAGCAAGTATTTGACGGAAACAATATGGAGGACATTT
 ATGGGAAGCTCTTGCTGCAGCTGCACCAACAGCACCCAGGTGATATCGGATGTTTCGCCATCTACTTCCT
 GAACCTGCTCACCTTGAAGCCTGGGAAGCCATGTTTCTGGATGCCAACGTGCCCCATGCCTACCTGAAG
 GGAGACTGCGTGGAATGCATGGCATGTTTCGGACAATACCGTGCGTGGCCTGACACCCAAATTCATTG
 ATGTGCCAACCTGTGTGAAATGCTCAACTACACACCTAGCCCCAGCAACGACAGGCTGTTTCCCCCAGC
 ACAGAGTCAAGATGACCCTATCTCTATCTATGATCCTCCTGTGCCAGACTTCACTGTTATGAAGATG
 GAGGTCCCTAGCTCTGTCACTGAATACAAAGTCTCAACACTAGACTCTGCCAGCATCCTTCTGGTGGTCC
 AAGGGACAGTGACAGCTATCATACCTTCAGCCCATGCAGAAATCCCTCTGTACCGTGGTGGAGTGCTCTT
 CATTGCAGCCAATGAGAGTGCTTACTGAAGATTACTGTGCCAAGGATCTGCTGATATCCGGGCTGCTG
 TGTCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206729 representing BC009068
 Red=Cloning site Green=Tags(s)

MAGPRVFPLSCVVQYAWGKVGSKSEVACLLASSDPLAQISEDKPYAELWMGTHPRGDAKILDNRISQKT
 LGQWIAENPDCLGSKVKNTFNGKLPFLFKVLSVDLTALSIQAHPNKELAEKHLQAPEHYPDANHKPEMAI
 ALTSFQGLCGFRPVEEIVTFMKKVPEFQLLIGDDATAQLKESVGGDTEAMASALRNCFSHLMKSEKKVVV
 EQLNLLVKRISQQVFDGNNMEDIYKLLQLHQHPGDIGCFAIYFLNLLTLKPGEAMFLDANVPAYLK
 GDCVECMACSDNTVRAGLTPKFIDVPTLCEMLNYTPSPSNDRLFAPAQSQDDPYLSIYDPPVPDFTVMKM
 EVPSSVTEYKVSTLDSASILLVVQGTVTAIIPSAHAEIPLYRGGVLFIAANESVLLKITYPKDLLIFRAC
 CLL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC009068

ORF Size: 1269 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

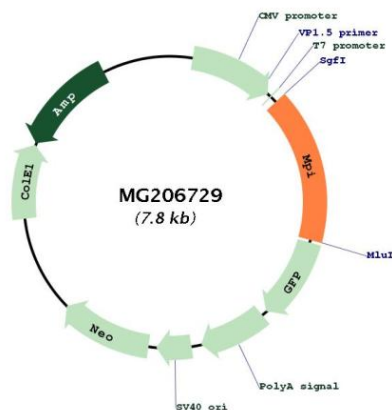
RefSeq ORF: 1271 bp

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]

Product images:



Circular map for MG206729