

Product datasheet for **MG206725**

Mpi (BC051163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpi (BC051163) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpi
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:	>MG206725 representing BC051163 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGTCCGCGAGTGTCCCACTTCTGTGTGGTGCAGCAGTATGCCTGGGGGAAGGTGGGCTCCA
AAAGTGAAGTGGCATGCCTGCTGGCTAGCAGTGATCCACTGGCCAGATTCAGAGGACAAGCCATATGC
AGAGCTGTGGATGGGACACACCCCGGGGAGATGCCAAGATCCTTGACAACCGTATTTCCAGAAGACC
TTAGGCCAGTGGATTGCTGAAAACCCGGACTGCTTGGGCTCAAAGGTCAAAAACACCTTTAATGAAAGC
TGCCCTTCTCTCAAAGTACTGTCAGTGGACACGGCCCTGTCTATCCAGGCACACCCTAACAGGAGCT
GGCAGAGAAGCTGCATCTCCAGGCTCCAGAGCACTACCCTGATGCCAACCAAGCCAGAAATGGCCATT
GCCCTTACCTCCTTCCAGGGCTTGTGTGGTTTCCGGCCAGTGGAGGAGATTGTGACCTTTATGAAGAAGG
TGCTGAGTTCAGTTGCTGATTGGAGATGATGCCACAGCACAGCTGAAGGAGAGCGTGGGTGGGATAC
TGAGGCCATGGCTTCTGCTCTGAGGAAGTCTTTCCACCTGATGAAGAGTGAGAAGAAGGTGGTGGTG
GAGCAGCTAACCTGTTGGTGAACGGATCTCCAGCAAGTATTTGACGGAAACAATATGGAGGACATTT
ATGGGAAGCTCTGCTGCAGCTGCACCAACAGCACCCAGGTGATATCGGATGTTTCGCCATCTACTTCT
GAACCTGCTCACCTTGAAGCCTGGGGAAGCCATGTTTCTGGATGCCAACGTACCCATGCCTACCTGAAG
GGAGACTGCGTGGAAATGCATGGCATGTTCCGACAATACCGTGCGTGGCTGACACCCAAATTCATTG
ATGTGCCAACCTGTGTGAAATGCTCAACTACACACCTAGCCCCAGCAACAACAGGCTGTTTGCSCCAGC
ACAGAGTCAAGATGACCCCTATCTCTATCTATGATCCTCCTGTGCCAGACTTCACTGTTATGAAGATG
GAGGTCCCTAGCTCTGTCACTGAATACAAAGTCTCAACACTAGACTCTGCCAGCATCCTTCTGATGGTCC
AAGGGACAGTGACAGCTATCATACCTTCAGCCCATGCAGAAATCCCTCTGTACCGTGGTGGAGTGTCTT
CATTGCAGCCAATGAGAGTGTCTTACTGAAGATTACTGTGCCAAGGATCTGCTGATATCCGGGCTGCTG
TGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206725 representing BC051163
 Red=Cloning site Green=Tags(s)

MASPRVFPLSCVVQYAWGKVGSKSEVACLASSDPLAQISEDKPYAELWMGTHPRGDAKILDNRISQKT
 LGQWIAENPDCLGSKVKNTFNGKLPFLFKVLSVDTALSIQAHPNKELAEKHLQAPEHYPDANHKPEMAI
 ALTSFQGLCGFRPVVEEIVTFMKKVPFQLLIGDDATAQLKESVGGDTEAMASALRNCFSHLMKSEKKVVV
 EQLNLLVKRISQQVFDGNNMEDIYGKLLQLHQHPGDI GCF AIYFLNLLTLKPGEAMFLDANVPHAYLK
 GDCVECMACSDNTVRAGLTPKFIDVPTLCEMLNYTPSPNNRLFAPAQSQDDPYLSIYDPPVPDFTVMKM
 EVPSSVTEYKVSTLDSASILLMVQGTVTAIIPSAHAEIPLYRGGVLFIAANESVLLKITYPKDLLIFRAC
 CLL

TRTRPLE - GFP Tag - V

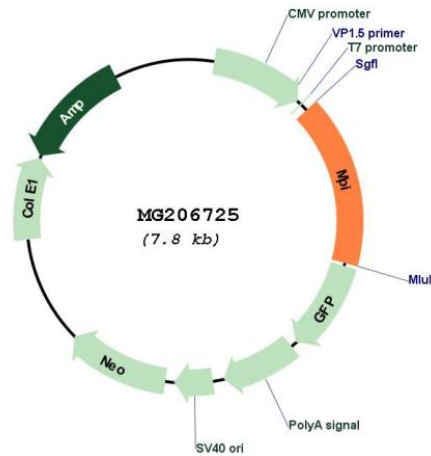
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC051163

ORF Size:	1271 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:	<ol style="list-style-type: none">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:	BC051163 , AAH51163
RefSeq Size:	1767 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]