

Product datasheet for **MG205988**

Miip (NM_001025365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Miip (NM_001025365) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Miip
Synonyms:	AA553001; AI853621; D4Wsu114e; IIP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205988 representing NM_001025365 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGACTAAAGACCCCGTTCGGCTTCGGCTGCTTAGCCTGGAGCTCCTGAAGCAGCTTTGGGCTG
GGCACGAAGCCATGTGTCGGTCCGTGGTGAGAGCAGCATCAGGGTCAAACCTGGATTGTAGCAGCAACAA
CTTAGAGATGCCACTGTCCCAAGAGACTTCTCCGCTTCCTCAGTGGCCCCAGCTCACAGGACAAAAGA
CACATGTTGGACCACTGGACAGTCGTCGAGATGACACGTTTGATGTGGCTGGTATGTCAAGTTCAACT
CCAGGATGGACTTTTCTACCTGCCACAGGCCAACACCAGGAGCCCCAGGAAGAACTACGGCCCCCTC
AGTACCCTTGCTAGCCACTCAGGGTCTGAAGGGGCCAGTGTCTTTGGGAGGACAAAAGGTCTGGGACCT
GACAAGACACAGGTCCCAAGTCCATCCTGTACGACTAAGCAAGCCATCTAAGCCCAGAGTGACCTCCC
AGGAGTCTGCAGTGCCTGAGAGCAGCTGGCACTTAGGCCATACCTAGGCTATGATTGGATTGCAGGGTC
CCTGGACAATAGCTCTCCAGTCACTAGTGAGCCGAGGCCTTCTTCTCTATGCTGCAGAGGTTTCGAGAA
AACAAACAAGAGGATTGTGTTTGAACCTCCCCTGAAGCTGTGTTCCAGGCCTGCAAGAGAGCAGCGGTG
TGAAGAGGACCACGAGTGTATGTACTGTTACCGTATCAACCGCCGGCTGTTTCTGAGCCTGTGGATCC
AGGCGCCCCTTGCCGTCTGTGTGGGATACCCCGGATGAGAAGGGCCCCGGAACCTGGTGGAGCCAGTG
CAAGTCAGGGTGAGCATCCCCATCCATCATGGACCTCCACACCAGTATCGAATTCACAGAAGGAAGA
GCTTTGATGCATCTGACACTTAGCTTTGCCTCGGCACTGTCTGCTGGGCTGGGACATCCTCCCTCCAAA
GTCAGAGAAAACGTCTGTCCCCAAGAGCCTGGACCTCTGGTCTCCGTGCTATGGAGCAGGGCAGCGT
CGGGATCTGTCAGCCACTAGCCACCCTGTCAGGCCTGCCAGCACAGGTACACCACCTCTCTGTCAG
AGCCCCAGGTTGCCAGCTCTGTCCCTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205988 representing NM_001025365
 Red=Cloning site Green=Tags(s)

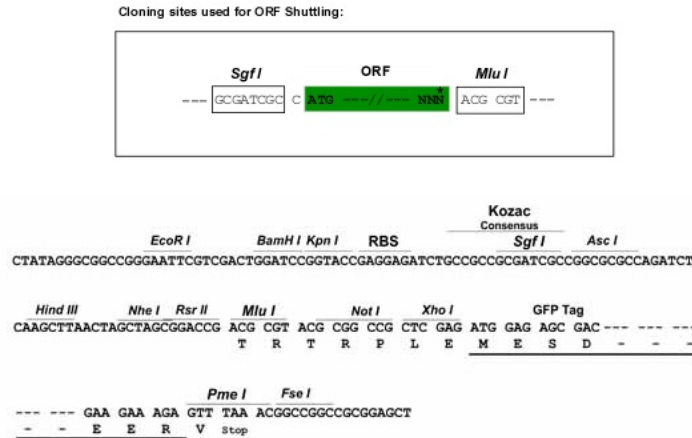
MAETKDPVRLRLLSLELLKQLWAGHEAMCRSVVRAASGSNLDCCSSNLEMPLSQETSSASSVAPSSQDKR
 HMLDPLDSRRDDTFDVAWYVKFNSRMDSFLPATGQHQPQEELRPPSVPLLATQGLKGPVSLGGPKLGP
 DKTQVPRSILSRLSKPSKPRVTSQESAVPESSWHSRPLYGYDWIAGSLDNSSPVTSEPEAFFSMLQRFRE
 NNKEDCVCNSPEAVFPGLEQSSGVEEDHECMYCYRINRRLFPEPVDPGAPCRLCGIPRDEKGPGLVEPV
 QVRVSIPLSIMDPPHQYRTHRRKSFADSTLALPRHCLLGDWLDLPPKSEKTSVPKSLDLWSSVSYGAGQR
 RDLSATSPPCQALPAQVTPPLWSEPQVAQLCPSH

TRTRPLE - GFP Tag - V

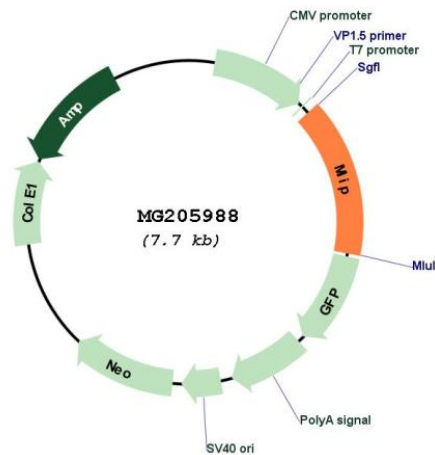
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001025365

ORF Size:	1152 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:	NM_001025365.1 , NP_001020536.1
RefSeq Size:	1657 bp
RefSeq ORF:	1164 bp
Locus ID:	28010
UniProt ID:	A2A7Y5
Cytogenetics:	4 78.56 cM
Gene Summary:	Inhibits glioma cells invasion and down-regulates adhesion- and motility-associated genes such as NFKB2 and ICAM1. Exhibits opposing effects to IGFBP2 on cell invasion (By similarity). [UniProtKB/Swiss-Prot Function]