

Product datasheet for MR205988

Miip (NM_001025365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Miip (NM_001025365) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Miip
Synonyms:	AA553001; AI853621; D4Wsu114e; IIP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205988 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGACTAAAGACCCCGTTCGGCTTCGGCTGCTTAGCCTGGAGCTCCTGAAGCAGCTTTGGGCTG
GGCACGAAGCCATGTGTCGGTCCGGTGGTGGAGAGCAGCATCAGGGTCAAACCTGGATTGTAGCAGCAACAA
CTTAGAGATGCCACTGTCCCAAGAGACTTCTCCGCTTCCTCAGTGGCCCCAGCTCACAGGACAAAAGA
CACATGTTGGACCACTGGACAGTCGTCGAGATGACACGTTTGATGTGGCCTGGTATGTCAAGTTCAACT
CCAGGATGGACTTTTCTACCTGCCACAGGCCAACACCAGGAGCCCCAGGAAGAACTACGGCCCCCTC
AGTACCCTTGCTAGCCACTCAGGGTCTGAAGGGGCCAGTGTCTTTGGGAGGACAAAAGGTCTGGGACCT
GACAAGACACAGGTCCCAAGGTCCATCCTGTACGACTAAGCAAGCCATCTAAGCCCAGAGTGACCTCCC
AGGAGTCTGCAGTGCCTGAGAGCAGCTGGCACTTAGGCCATACCTAGGCTATGATTGGATTGCAGGGTC
CCTGGACAATAGCTCTCCAGTCACTAGTGGCCGAGGCCCTTCTTCTCTATGCTGCAGAGGTTTCGAGAA
ACAACAAAGAGGATTGTGTTTGAACCTCCCCTGAAGCTGTGTTCCAGGCCTGCAAGAGAGCAGCGGTG
TGAAGAGGACCACGAGTGTATGTACTGTTACCGTATCAACCGCCGGCTGTTTCTGAGCCTGTGGATCC
AGGCGCCCCTTGCCGCTGTGTGGGATACCCCGGATGAGAAGGGCCCCGGAACCTGGTGGAGCCAGTG
CAAGTCAGGGTGAGCATCCCCATCCATCATGGACCTCCACACCAGTATCGAATTCACAGAAGGAAGA
GCTTTGATGCATCTGACACTTAGCTTTGCCTCGGCACTGTCTGCTGGGCTGGGACATCCTCCCTCCAAA
GTCAGAGAAAACGTCTGTCCCAAGAGCCTGGACCTCTGGTCTCCGTGCTATGGAGCAGGGCAGCGT
CGGGATCTGTCAGCCACTAGCCACCCTGTCAGGCCTGCCAGCACAGGTACACCACCTCTCTGTCAG
AGCCCCAGGTTGCCAGCTCTGTCCCTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205988 protein sequence
Red=Cloning site Green=Tags(s)

MAETKDPVRLRLLSLELLKQLWAGHEAMCRSVVRAASGSNLDCCSSNLEMPLSQETSSASSVAPSSQDKR
HMLDPLDSRRDDTFDVAWYVKFNSRMSFLPATGQHQPQEELRPPSVPLLATQGLKGPVSLGGPKGLGP
DKTQVPRSILSRLSKPSKPRVTSQESAVPESSWHSRPLYGYDWIAGSLDNSSPVTSEPEAFFSMLQRFRE
NNKEDCVCSPEAVFPGLQESSGVEEDHECMYCYRINRRLFPEPVDPGAPCRLCGIPRDEKGPGLVEPV
QVRVSIPLSIMDPPHQYRTHRRKSFDAADTLALPRHCLLGDILPPKSEKTSVPKSLDLWSSVSYGAGQR
RDLSATSPPCQALPAQVTPPLWSEPQVAQLCPSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025365

ORF Size: 1155 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.

RefSeq: [NM_001025365.1](#), [NP_001020536.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 1164 bp

Locus ID: 28010

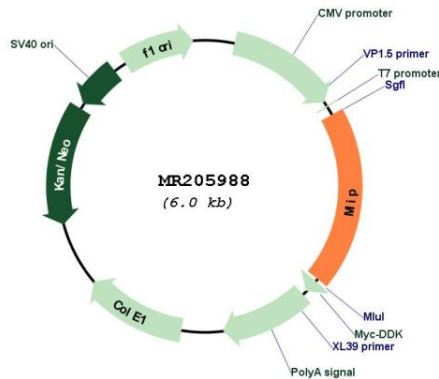
UniProt ID: [A2A7Y5](#)

Cytogenetics: 4 78.56 cM

MW: 42.5 kDa

Gene Summary: Inhibits glioma cells invasion and down-regulates adhesion- and motility-associated genes such as NFKB2 and ICAM1. Exhibits opposing effects to IGF2BP2 on cell invasion (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205988