

Product datasheet for **MC222268**

MIxipl (NM_021455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIxipl (NM_021455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	MIxipl
Synonyms:	bHLHd14; ChREBP; MIx; Wbscr14; WS-bHLH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC22268 representing NM_021455
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCGCGCTGGCGGATCTATCCGTGAACCTGCAGTCCCCGGTTCCTAGCCGGACTCGG
 ACTCGGATACGGACTTGGAGGATCCGAGTCCCCGGCGCAGCGCGGTGGCTGCATCGATCACAGGTCAT
 CCACAGCGGACACTTCATGGTGTCTTCGCCGACAGCGACTCGCTGACCCGGCGACGCGACCAGGAGGGG
 CCCGTGGGGCTCGCCGACTTCGGGCCGCGCAGCATCGATCCGACACTCACCCACCTCTTCGAGTGTGTA
 GCCTGGCTTACAGTGGCAAGCTGGTCTCTCCAAAGTGAAGAAGTCAAAGGCCTCAAGTTGCTATGCCG
 GGACAAGATCCGGCTGAACAACGCCATCTGAGAGCCTGGTACATTAGTATGTGCAACGGAGGAAGAGC
 CCAGTGTGTGGTTTCGTGACCCCTCTGCAGGGTCTGAAGCAGATGAGCACCGGAAACCTGAGGCTGCA
 TCCTGGAGGTAATTACTGGAAGCGCGCATCGAGGTGGTATGCGCGAATACCACAAGTGGAGAATCTA
 CTACAAAAGCGGCTCCGTAAGTCCAGCAGGGAAGGGGATTTCTGGCTCCCAAGCAGGTGGAAGTGGG
 TGGCCGCCACCAGAGCGATGGTGCGAACAGCTTCTCCAGCGTGGTGCCTGTGCTGCTTGGGGGCTCCG
 AGGAGGAGCCTGGGGGCCGCGAGCTTCTAGACCTGGACTGCTTCTGTCCGATATCTCCGACACACTCTT
 CACCATGACACAGCCAGTCTTCGTCCCTGCAGCTGCCCCAGAAGATGCTTATGTTGGCAATGCTGAC
 ATGATCCAGCCAGACTGACGCCGCTGCAGCCAGCCTAGATGACTTCATGGAGATATCAGATTTCTTCA
 CCAATTACCGCCCCCTCAGACACCCACATCTTCAAACATACAGAGTCCCCAGCTTTGGCCCCATGGC
 TGACTCCCTCTCAGCAGTGGGATCCTGGCCCCAGAGTGCCATCTCCAGCCTCGTCTTCTCCTCCTCA
 GGGATGACCCCTCACTCAGGGAATACACGCCTACAGGCTCGGAACAGCTGCTCTGGACCTTGGATCCCA
 ACCCTTTCTGAGCTCTGAATTCCTTCTCTGAAGACCCTAAGACCAAGATCCACCTGCTCTGGACC
 GACCCCTCTCCTCCATTCCCCACCCCTGTCAAGGTGCATGGCTTAGAGCCCTGCACCCCTCTCCCTTC
 CCCACAATGGCTCCGCCCCCTCTTTGTTGCCAGAAGAATCTCTCCTCTGCCAGGTTCCATTACCT
 CAGCCCTCCTGCTCCAGGAGTGTCTACGCTTCTGCACCCACAACCTTTGTCCCAACCCACAGCCCGG
 CCCTGGTCCCGTCCCTTCTCTGTAGACCATCTGCCCATGGGTACCTGGAACCCGCTTTTGGGCTCAC
 TTCCTGTGCTCAGGATGCAACCCAGGTGCAAGCCCTCTCCCATCCCTGGGGGACAAAAAGCAA
 GTCCACCCACCTTGGCTCTGCCACCGCAGTCCCACTGCCACTGCCACTGCCAGAGACAACAACCCCTG
 TCTTACACAGCTGCTCAGGGCAGCAAGCCTGAGCAAGCACTGGAGCCTCCGACTATGCCGGTACCCTC
 CTCGGCTCCAGAGTCCCGCAGGATACAGTTTCTGAAATCCCCGTGCCGTGCTTTTCCCCCAA
 TCCCGGCCCTACACCACCCCGCCACCTCCAGGCCAGCCACATGGCTCCTCCAGGTCCTGGTTGT
 CCCCAAAGCAGAGCGGCTCTCGCTCCAGCCTCCAGCGGAGTGAGCGGGACTATCAGGGGATCTCAAC
 TCCATAACAACCTCGGGGCACTGAGTGTCCACCTGTCTCCCCCTCAAAGTGTCTAAGCCGGGGTTCGTG
 TAGACAACAACAAGATGGAGAACCAGCAGTATCACACATCTCCGCGGAGCAGAAGAGGCGGTTCAATAT
 TAAGTAGGATTCGACACCCTGCACGGACTTGTGACGACGCTCAGTGCCAGCCAGCCCAAGGTGAGC
 AAAGCAACCACGCTTCAAGACAGCGGAGTACATCCTGATGCTGCAGCAGGAACGGGCAGCTATGCAGG
 AGGAGGCGCAGCAGTGGGGATGAAATAGAGGAGCTCAACGCTGCCATCAACTTGTGCCAGCAGCAGCT
 ACCGGCCACCGGGTGCCATCACACATCAGCGCTTTGACCAGATGCGGGACATGTTTGTGACTATGTC
 CGGACGCGCAGCTGCACAAGTCTGGGTGTTGACGATCCTCATCCGACCTTTATTTGAATCCT
 TCAATGGGATGGTGTCTACCGCCAGCTTGCACAGCCTCCGCCAGACCTCACTGGCTGGTGGAAACAGTA
 CTGTTCCCTACCTGCTCTCCGGCAACTGCTGAATTCCTTCGCAACTCAGCACTTCCACAAGCATC
 CTGACTGACCCAGCCTTGTGCTGAGCAAGCCACAGGGCAGTCACAGAGGGCACCTGGGGAGACCAT
 TA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021455
Insert Size: 2595 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:	<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_021455.4 , NP_067430.2
RefSeq Size:	3649 bp
RefSeq ORF:	2595 bp
Locus ID:	58805
UniProt ID:	Q99MZ3
Cytogenetics:	5 G2
Gene Summary:	<p>Transcriptional repressor. Binds to the canonical and non-canonical E box sequences 5'-CACGTG-3'.^[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1, also known as zeta) encodes the longer isoform (1).</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>