

Product datasheet for **MC222609**

Mlxip (NM_133917) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mlxip (NM_133917) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mlxip
Synonyms:	AW228700; bHLHe36; Mir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222609 representing NM_133917
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCCGACGTTTTTCATGTGTTTCGCCGCGCCGCCCGCAGTCGGGGCCGTTCCGGTGTCTCAAGC
 CTAGGTGCCCGAGGACGACGACTCGGACACAGACGAGCCGCTCCGCCGCCCCCTCCGGCGTGGC
 CACTTCAGCCCGGGCCACGCGAGCGCCGCGCCGCTGCCGCTCGGGCCGGCCCGGGCCGCGAGGAGCCT
 CCGCGCCGACAGCAGATCATCCACAGCGGCCACTTCATGGTGTCTCTCCGCACCGCGAGCACCCGCCCA
 AGAAGGGCTATGATTTTCGACACGGTCAACAAGCAGACGTGCCAGACCTATAGCTTCGGCAAGACCAGCTC
 CTGCCACTTGTCCATCGATGCGTCGCTACCAAGCTCTTCGAGTGCATGACCCTGGCCTACAGTGGGAAA
 TTAGTGTCTCCAAAGTGGAAAAATTTCAAGGGCCTGAAGCTCCAGTGGCGGACAAGATCCGGCTCAACA
 ACGCCATCTGGAGGGCATGGTATATGCAGTATTTGGAGAAGCGCAAGAATCCTGTGTCCACTTTGTAC
 CCCACTAGATGGCTCTGTTGATGTAGTGAACACCGTCGCCAGAGGCCATCACACAGAGGGCAAGTAC
 TGGAAAAGCCGATTGAGATTGTGATTCGAGAGTACCACAAGTGGAGAACCTACTTCAAGAAAAGGCTGC
 AGCAGCACAAGGATGAGGACCTTCTAGCCTGGCCAGGACGATGACATGCTGTATTGGCATAAAATAGG
 GGATGGCTGGAAAACCCAGTCCCATGGAGGAGGACTCACTGTGGACACAGACATGCTCATGTGAGAA
 TTCAGCGACACTCTTCTCCACACTCTTTCACACCAACCCGTGGCCTGGCCCAACCCACGAGAAATAG
 CACATCTGGGAAACGACAGATGATCCAGCCAGGCTGATCCCTTTGCAACCAACCTGGACTTCATGGA
 CACCTTTGAGCCTTTCCAGGATCTTCTCCTCCAGCCGATCCATTTTGGCTCCATGTTGCCTCCTCCT
 TCATCATTACCTGCCGAGATCCTAGCAGCCACCTTCTCAGGGAAACATCTTGCCAAATACAGCTCCTC
 CTCCTGGAGCCTGCCAAATAGCCTCATTACATCTTCTGCAGCCCTCCCTGGATCCCACAGAGGGCCA
 GGGTTGTGAACGCACATCCCAAACGGTGGACCCGTTTATTAGCCTGCAGACTTTGGTCCCTCTGAGCCA
 CCACTGAGTGTCCACAGCCCTTCTCCTGTCTTTACGATGACCTTACTTTCCCTGGCCCGCCCGAG
 CACCTGTTCCAATGCATTGCCCTTAGTTCCTTCGCTGCCCTACTCTAAACCCCAACTCCACCAGC
 TTTCTGCAGCCACAGAAGTTTGTGGAGTCAAGCAATCCACCCCTGTTATTACCACACAGCCTCTGCA
 ACCCTTACCCATGATGCTTCTGCCACCCTTCAGCCAGAACCAGGGCCTGTTATCACAGCACACCATC
 CAACCCCTCCTCATCCCTGTGCTTTGGCACTGTACCCGTACCCAGCCACCAGCCGTGGGACCTCC
 CCAACCTCATTTAACTTTTATACACCCAAACCTGTGTCTTACTGGAGTGAAGACACAAGCAGCCCC
 AAAATAGTGCCTGCTCCTAAACCTGAGCCTGTCTCCTTGGTGTGAAGAATGCCTGCATTGCTCCAGCTG
 CCTTCTCAGGCCAACCGAGAAGGTGATCATGACATCAGCTCCTCTGAAGAGAGAAGGGATTCTAGCATC
 TACTGTGTCCCATCCAATGTGGTCATTGCTTCTGCTGCCATCACAGGGCTTCTGGAGTCAAGGATTC
 CTCAGCCACAGCAGGACGAGCCAGCCTAGCCCGTCTCTCGACTTTTTCTCAAGTACAGTGAAGACT
 CCCTGGTGAAGGGCGAGCAGGTCTCACTGCATGGGGTAGTCCCAGGTCCCTGCCACGGGCTCTAGTCG
 TGACTGCCCTAACTCAGGCCAAGCCTCTCCATGCCATCAGAACAAGTCCCAGTCTCAGTCTCCCCAG
 ACAAACCTGCTCAGGAAATCTACAGACCCCAAAAATGTGGCTGCATTAAGAACCAGGAGCAGACATCT
 CAGCTGAACAGAAAAGGGCTTTCAATATCAGGATGGGCTTTAACACCCCTGAATAGCTTGATCTCCAATA
 TTCCAAGCAGACCAGCCAGCTATCACACTGCAGAAGACCATGGAGTACATCACCAAACTGCAGCAGGAG
 CGGATGCAGATGCAAGAGGAGGCCCGGAGGCTGCGGGAGGAGATCGAGGAGCTTAACACCACCATCATCT
 CCTGCCAACAGCTGCTACCTGCCACAGGAGTCCAGTCAACTGCCGCGAGCTTGACCACATGAGAGACAT
 GTTTGTGAATATGTGAAAAGCAGGACCCTGCAGAATTGGAAATCTGGATTTTCAGCATGATCATCAAG
 CCACTGTTTGTAGTCTTTCAAGGGATGGTATCTACCAGCAGCTTGGAGGAGTTCACCCGACGGCGCTTT
 CCTGGCTGGATCAGCACTGCTCTCTCCTGTCTCAGGCCAATGGTACTGAGTACCCTCCGTGAGCTGAG
 TACCACCCTCCATCCTGACGGATCCATCCAGCTGCCGAGCAAGCATCAGAGGCTGTTACCAGGATG
 GGCAAGAGATCGGGGAGTCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_133917
Insert Size:	2754 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_133917.3 , NP_598678.2
RefSeq Size:	7321 bp
RefSeq ORF:	2754 bp
Locus ID:	208104
UniProt ID:	Q2VPU4
Cytogenetics:	5 F
Gene Summary:	<p>Binds DNA as a heterodimer with MLX and activates transcription. Binds to the canonical E box sequence 5'-CACGTG-3'. Plays a role in transcriptional activation of glycolytic target genes. Involved in glucose-responsive gene regulation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2).</p>