

MLX cDNA

Catalog Number: ATGD0496

PRODUCT INFORMATION

Catalog number

ATGD0496

Product type

cDNA

Species

Human

NCBI Accession No.

NP_937847.1

Alternative Names

bHLHd13, MAD7, MXD7, TCFL4

mRNA Refseq

NM_198204.1

OMIM

602976

Chromosome location

17q21.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

735bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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MLX belongs to the family of basic helix-loop-helix leucine zipper (bHLH-Zip) transcription factors. These factors form heterodimers with Mad proteins and play a role in proliferation, determination and differentiation. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

DATA

Sequence nucleotides

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ATGACGGAGCCGGGCGCCTCTCCCGAGGACCCTTGGGTCAAGGTGGAGTATGCCTACAGCGACAACAGCCTGGACCCCGG
GCTTTTGTAGAAAGCACCCGCAAGGGGAGTGTAGTGTCCAGAGCTAATAGCATCGGTTCCACCAAGTGCCTCTTCTGTCCCC
AACACAGATGATGAGGACAGTGATTACCACCAGGAGGCCTACAAGGAGTCTACAAAGACCGGCGGCGGCGCGCACACAC
TCAGGCTGAGCAGAAGAGGAGGGACGCCATCAAGAGAGGCTATGATGACCTTCAGACCATCGTCCCCACTTGCCAGCAGC
AGGACTTCTCCATTGGCTCCCAAAAGCTCAGCAAAGCCATCGTTCTACAAAAGACCATTGACTACATTCAAGTTTTTGCACAAG
GAGAAGAAAAAGCAGGAGGAGGAGGTGTCCACGTTACGCAAGGATGTCACCGCCCTAAAGATCATGAAAGTGAAGTATGA
GCAGATTGTGAAGGCACACCAGGACAACCCCCATGAAGGGGAGGACCAGGTCTCTGACCAGGTCAAGTTCAACGTGTTTCA
AGGCATCATGGATTCCCTGTTCCAGTCCTTCAATGCCTCCATCTCAGTGGCCAGCTTCCAGGAGCTGTCAGCGTGTGTCTTC
AGCTGGATCGAGGAGCACTGTAAGCCTCAGACCCTGCGGGAGATTGTGATTGGCGTCCTGCACCAATTGAAAAACCAGCTT
TACTGA
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Transaction Sequence

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MTEPGASPED PWVKVEYAYS DNSLDPGLFV ESTRKGSVVS RANSIGSTSA SSVPTDDESDYHQEAYKE SYKDRRRRAH
TQAEQKRRDA IKRGYDDLQT IVPTCQQQDF SIGSQKLSKAIVLQKTIDYI QFLHKEKKKQ EEEVSTLRKD VTALKIMKVN
YEQIVKAHQD NPHEGEDQVSDQVKFNVFQG IMDSLQSFN ASISVASFQE LSACVFSWIE EHCKPQTLRE
IVIGVLHQLKNQLY
```