

## 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**

## MLX cDNA

Catalog Number: ATGD0496

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

```
ATGACGGAGCCGGGCGCCTCTCCCGAGGACCCTTGGGTCAAGGTGGAGTATGCCTACAGCGACAACAGCCTGGACCCCGG
GCTTTTGTAGAAAGCACCCGCAAGGGGAGTGTAGTGTCCAGAGCTAATAGCATCGGTTCCACCAGTGCCTCTTCTGTCCCC
AACACAGATGATGAGGACAGTGATTACCACCAGGAGGCCTACAAGGAGTCCTACAAAGACCGGCGGCGGCGGCACACAC
TCAGGCTGAGCAGAAGAGGAGGGACGCCATCAAGAGAGGCTATGATGACCTTCAGACCATCGTCCCCACTTGCCAGCAGC
AGGACTTCTCCATTGGCTCCCAAAGCTCAGCAAAGCCATCGTTCTACAAAAGACCATTGACTACATTGATTTTTGCACAAG
GAGAAGAAAAAGCAGGAGGAGGAGGTGTCCACGTTACGCAAGGATGTCACCGCCCTAAAGATCATGAAAGTGAAGTATGA
GCAGATTGTGAAGGCACACCAGGACAACCCCATGAAGGGGAGGACCAGGTCTCTGACCAGGTCAAGTTCAACGTGTTTCA
AGGCATCATGGATTCCCTGTTCCAGTCCTTCAATGCCTCCATCTCAGTGCCAGCTTCCAGGAGCTGTCAGCGTGTGTCTTC
AGCTGGATCGAGGAGCACTGTAAGCCTCAGACCCTGCGGGAGATTGTGATTGGCGTCCTGCACCAATTGAAAAACCAGCTT
TACTGA
```

#### Transaction Sequence

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