

Product datasheet for **SC322389**

MLX (NM_198204) Human Untagged Clone

Product data:

| | |
|---------------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | MLX (NM_198204) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MLX |
| Synonyms: | bHLHd13; MAD7; MXD7; TCFL4; TF4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fully Sequenced ORF: | <p>>OriGene sequence for NM_198204 edited</p> <pre> CGCCGCAGGGGGCCGCCGCTGGCCCGTTCCGGTCCGGTGGGTACAAGATGACGGAGC CGGGCGCCTCTCCCGAGGACCCTTGGGTCAAGGTGGAGTATGCCTACAGCGACAACAGCC TGGACCCCGGGCTTTTTGTAGAAAGCACCCGCAAGGGGAGTGTAGTGTCCAGAGCTAATA GCATCGGTTCCACCAGTGCCTTCTGTCCCAACACAGATGATGAGGACAGTGATTACC ACCAGGAGGCCTACAAGGAGTCTACAAGACCAGGGCGGGCGGCACACACTCAGGCTG AGCAGAAGAGGAGGGACGCCATCAAGAGAGGCTATGATGACCTTACAGACCATCGTCCCA CTTGCCAGCAGCAGGACTTCTCCATTGGCTCCCAAAAGCTCAGCAAAGCCATCGTTCTAC AAAAGACCATTGACTACATTCAGTTTTTGCACAAGGAGAAGAAAAAGCAGGAGGAGGAGG TGTCCACGTTACGCAAGGATGTACCCGCCCTAAAGATCATGAAAGTGAAGTATGAGCAGA TTGTGAAGGCACACCAGGACAACCCCATGAAGGGGAGGACCAGGTCTCTGACCAGGTCA AGTTCAACGTGTTTCAAGGCATCATGGATTCCCTGTTCCAGTCCCTCAATGCCTCCATCT CAGTGGCCAGCTTCCAGGAGCTGTCAGCATGTGTCTTCAGCTGGATCGAGGAGCACTGTA AGCCTCAGACCCTGCGGGAGATTGTGATTGGCGTCTGCACCAATTGAAAAACCAGCTTT ACTGACCGGTTCTTGAAACCTGGAGAACAGCCAACAAGAGGCCCTTGAATCTCTACGTG GCCACTGAACTGCTGGGCCCGGGAGACTGGACTACAACACCTCACACTGGTCAGCTGGTT TCTACTTGGTGTGGTTTTTCCAGCCCCATTTATCTTCAGCGGAGCCGCGGTGTTTTG TTTTGTGAAAGCTTCTGATTAATTTATTATATTGACGATAAAACTCAAACCTACCCAGCC TTCACCCCACTCCATGGAAGTCTTGGGATGGGCGTCTGCTCTGGACACCCCAAAGAGCT CCTGCCCTCTCAGCCCTTATTCAAGCCTCAGATTTCTGCTCATGATCTACATAGATTTG GAAACTGTTTTCTCTGTTTTGGTCTCTGGGCAACATTTTTGGCCCAAGTTTGGGCAAC ATTTGGCCCAAGTTTGGGCATTTTGGCAGTAGCTGTATGGGAGAAAAAGAGTAAGAGGAA ATATCCACAGCCATGAAGGGTAAAGGGCACCTTGTGCCTAGACTAGGGCTGCCTGCTG CAGTCCCAGGTGAGGCCAAGGGCTTTCTGGCCATCTCAGGGAGGGGCCACCAGGTTCTCTC CCCTACCCCATATTCCATCACCTTCTCTCTGCTCTGGGTGGTAAGGGAAAGCCCTCT GGTTCACACAGGCTATGATGCTGCATGGCAGAGGCAGGTATAACACAGCACTACATATTG GAAATTTTTTATTTTTCTAAATACCAATGCAGTTTTGCTACGGTTACAATTTTGAATAT TAACTGAGCCTCAAAATCACCTTTCTGTCAAGCATATCTTGGCCTCTCCCATGTCTCAG TGTTGCCTGCATTTCTCCAGGACTTGGGGTGGGGTAAAAGCGTACAAAAGATACTTA AAAGGGCTCCTGGGTACACAAGCCAGCAGGTCTGAGTGAAGCCGTGGGCCCTCCAAA TGCTCGTTTTATAGCAACCTCTCTACCCTAGTTCTCCAAATCACTTCTGCCTTCTCTC AGGTTTGATATCTGGCAGGTTTACTATCCAGAGGAAATTAATATTTTTATATAAAAT AATTATAATAAATATTGCCAAATGCTTTCCTTTAAAAAAAAAAAAAAAAAAAAA </pre> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_198204 |
| Insert Size: | 1900 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <u>NM_198204.1, NP_937847.1</u> |
| RefSeq Size: | 2406 bp |
| RefSeq ORF: | 735 bp |
| Locus ID: | 6945 |
| UniProt ID: | <u>Q9UH92</u> |
| Cytogenetics: | 17q21.2 |
| Protein Families: | Druggable Genome, Transcription Factors |
| Gene Summary: | <p>The product of this gene 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. This gene product may act to diversify Mad family function by its restricted association with a subset of the Mad family of transcriptional repressors, namely, Mad1 and Mad4. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains an additional coding exon compared to variant 1. The resulting isoform (beta) thus, is longer than isoform alpha encoded by variant 1.</p> |