

Product datasheet for **SC314920**

MLX interacting protein (MLXIP) (AF312918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLX interacting protein (MLXIP) (AF312918) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLXIP
Synonyms:	bHLHe36; MIR; MONDOA
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for AF312918, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGACGCTTTCATGTGCTCCCCGCGCCGGCCTCGCAGCCGGGGCCGACAGGTG
CTGCTCAAGCCCCAGGTGTCGAGGACGACGACACTCGGACACGGATGAGCCGTCCCCG
CCGCCCCCTCCGGCGCGGCCACCCGGCCGGGCCACGCGAGCGCCGCGCCACCGCCG
CCTCGGGCCGGGCGGGCCGAGGAACCTCCGCGCCGCCAGAGATCATCCACAGCGGC
CACTTCATGGTGTGCTCGCCGACCGGAGACCCGCCAAGAAGGGCTACGATTTGAC
ACGGTCAACAAACAGACGTGCCAGACCTACAGTTCGGCAAGACTAGCTCCTGCCACTG
TCCATCGACGCTCGCTACCAAGCTCTTCGAGTGCATGACTTTGGCCTACAGTGGGAAG
TTGGTGTCTCAAAGTGGAGAATTTCAAGGCCTGAAGCTACAGTGGAGAGACAAGATC
CGGCTCAATAATGCCATCTGGCGGGCCTGGTACATGCAGTATCTGGAGAAGCGAAGAAT
CCTGTGTGCCACTTTGTGACACCCCTGGACGGCTCTGTGGACGTAGACGAGCACCGCCG
CCGGAGGCCATCACACGGAAGGAAGTACTGGAAGAGCCGCATCGAGATTGTGATCCGG
GAGTATACAAGTGGAGAACCTACTTCAAGAAAAGGCTACAGCAGACAAGGATGAGGAC
CTCTCCAGCCTGGTCCAGGACGATGACATGCTGTATTGGCACAAGCAGGGGATGGATGG
AAGACCCCGTCCCATGGAGGAGGATCCCTGCTGGACACAGACATGCTCATGTGCGAA
TTCAGCGACACCTCTTCTCCACACTTTCTTACACCAGCCGGTGGCCTGGCCCAATCCC
CGGAAATAGCACATCTGGAAATGCAGACATGATCCAGCCGGGACTGATTCCTTTGACG
CCTAACCTGGACTTCATGGACACCTTTGAGCCTTTCCAGGACCTTCTCTTCTAGCCGC
TCCATTTTTGGTCCATGCTACCTGCATCTGCCTCAGCACCTGTACCAGATCCCAACAAC
CCACCTGCACAGGAGAGCATCCTGCCGACCACAGCCCTCCCACTGTGAGCCTTCTGAC
AGCCTCATCGGCCCCCTACCGCCCATCCCTGGCTCACATGGATGGGCAGGGCTGTGAA
CACACCTCCGGACTGAGGACCCGTTTATCCAGCCACGGACTTCGGTCCCTCAGAGCC
CCTAGTGTCCCGCAGCCCTTCTCCCTGTCTTCCACATGCCCTGCTGTCTCCAGC
CCGCCCCACCGCCATCTCCCCGTGTTACCATTAGTTCCTCCTCCTGCCACTGCCCTG
AACCCCCGGCTCCACCCACCTTCCATCAGCCACAGAAGTTTGCTGGAGTCAACAAAGCG
CCGTCTGTATCACCCACACGGCCTTCCACCCCTCACCCACGATGCCCCGCCACCACC
TTTAGCCAGAGTCAGGGCCTTGTGATCACACCCATCACCTGCCCGTCAGCGGCCCT
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CCCAAACCTGTATCCTTGACTGGGGCAGGCCTAAGCAGCCCAAAAATAGTGCCTGCT
CCCAAACCAGAGCCGTGCTCCTTGGTGTGAAGAATGCCCGTATCGCCCCAGTGCCTTT
TCAGGCCAACCAAGCGGTGATCATGACGTACGGCCCTGAAGAGAGAAGGGATGTTG
GCCTCCACCGTGTCCAGTCCAACGTGGTCATTGCGCCTGCTGCCATCGCCAGGGCTCCT
GGGGTCCCGGAGTTCACAGCAGCATCCTGGTGACAGATCTGGCCATGGCACGAGCAGC
CCGCTGCCCCGCTCCTCCGGCTTTCCCAAGCACAGCGCAAGACCCCTGGGGAAGGGC
GAGCAGTCCCGTGCATGGGGGAGCCCCAGGTCAGTGTACAGGGCCAGTCCGGAC
TGCCCAAACCTCAGGGCAGGCCTCCTCGTGTGCATCGGAGCAGAGCCCACTCAATCT
CCCCAGAACTGCTCAGGGAAATCCGACCCCAAAAATGTGGTGCCTAAAGAACCGG
CAGATGAAGCACATCTCAGTGCAGCAGAAAAGGCGTTCAACATCAAGATGTGCTTCGAC
ATGCTCAACAGCCTCATCTCCAACAATTCCAAGCTGACCAGTACGCCATCACACTGCAG
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CGGCGGCTGCGGGAGGAGATCGAGGAGCTCAATGCCACCATCATCTCCTGCCAGCAGCTG
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GACGAATACGTGAAAACCCGGACCTTGCAGAAATGGAAGTTCTGGATTTTCAGCATCATC
ATCAAGCCGCTGTTTGTGCTCAAGGGCATGGTGTCCACCAGCAGCCTGGAGGAGCTG
CACCGGACGGCGCTCCTGGCTGGACCAGCACTGCTCCCTGCCATCCTCAGGCCGATG
GTATTGAGCAGCTGCGGAGCTGAGCACCTCCACCTCCATCCTCACAGACCCGGCACAG
CTGCCAGAGCAGCGTCCAAGGCTGTACCAGGATTGGCAAGAGATTGGGAGAGTCC

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Restriction Sites: Please inquire

ACCN: AF312918

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>AF312918.1</u> , <u>AAG34121.1</u>
RefSeq Size:	2760 bp
RefSeq ORF:	2760 bp
Locus ID:	22877
Cytogenetics:	12q24.31
Domains:	HLH
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that functions as part of a heterodimer to activate transcription. The encoded protein forms a heterodimer with Max-like protein X (MLX) and is involved in the regulation of genes in response to cellular glucose levels. [provided by RefSeq, Mar 2014]