

Product datasheet for **SC305373**

MIXL1 (NM_031944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIXL1 (NM_031944) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIXL1
Synonyms:	MILD1; MIX; MIXL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_031944 edited ATGGCCACAGCCGAGTCCCGTGCCTCCAGTTTGCCGAGGGCCGCGTTTCCAGCGTAC CGGGCCCCACGCCGGGGGGCGCTCCTGCCGCCCCGAGCCCTGCGGCAGCCCTGCTC CCTGCGCCGCCCGGGCCCGGCCAGCGACCTTTGCGGGCTTCTCGGCCGGGACCCC GGGCCGGCCCCGCGCCCCCGCCAGCCTGGGCTCGCCTGCGCCCCCAAAGGCGCGGCC GCCCCGTGCGGTGCGAGCGCCGCAAGCGCACGTCTTTCAGCGCCGAACAGCTGCAGCTG CTGGAGCTCGTCTCCGCCGGACCCGGTACCCCGACATCCACTTGCGCGAGCGCCTGGCC GCGCTCACCTGCTCCCCGAGTCCAGGATCCAGGTATGGTTCCAGAACAGGCGTGCCAAG TCTCGGCGTCAGAGTGGAAATCCTTCCAACCTTTGGCTAGGCCGGAGATTATCCTCAAC CACTGTGCTCCTGAACTGAAACGAAATGTCTGAAGCCCCAGCTGCCTCTTGAGGTAGAT GTAACTGCCTGCCGAACCAACGGGGTTGGAGGGGGCATCTCTGACTTAGCTCCCAA GGTCAGAAATTTGAAACCTGTTCCCTCTCTCTGAAGACATTGGTTCAAAGCTGGACTCA TGGGAGGAACACATCTTTTCTGCCTTTGGTAACCTTTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031944 unedited</p> <pre>GGAGTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTTCATGNGCCACAGCCGAGT CCCGTGCCTCCAGTTTGCCGAGGGCGCCGCGTTTCCAGCGTACCGGGCCCCCACGCCG GCGGGGCGCTCCTGCCGCCCCGAGCCCTGCGGCAGCCCTGCTCCCTGCCGCCGCCGCGG GCCCGGGCCAGCGACCTTTGCGGGTTCCTCGGCCGGGACCCGGGCGGCCGCCGCCGCG CCCCGCCAGCCTGGGCTCGCTGCCGCCCCCAAGGCGCGGCCGCCCGTCCGGCTCGC AGCGCCGAAGCGCAGTCTTTTCAGCGCCGAACAGCTGCAGCTGCTGGAGCTCGTCTTCC GCCGGACCCGGTACCCCGACATCCACTTGCAGCGAGCGCCTGGCCGCGCTACCCTGCTCC CCGAGTCCAGGATCCAGGTATGTTTCCAGAACAGGCGTGCCAAGTCTCGGCGTCAGAGTG GGAAATCCTTCCAACCTTTGGCTAGGCCGAGATTATCCTCAACCACTGTGCTCCTGGAA CTGAAACGAAATGTCTGAAGCCCCAGCTGCCTTGTAGGTAGATGTGAACTGCCTGCCCG AACCAACGGGGTTGGAGGGGGCATCTGACTCTAGCTCCAAGGTGAGATTTTGA CCTGTTCCCTCTCTGAAGACATTGGTTCAAAGCTGGACTCATGGGAGGAACACATCT TTTCTGCCTTTGGTAACCTTTGACTCGACTCTAGATTGCGGCCGCGGTTCATAGCTGTTTC CTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCAGTGCCTCTCCTGGCCCTGGN AGTTGCCACTCCAGTGCCACCAGCCCTGCTCTAATAAAATTAGTTGCATCATTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031944 unedited</p> <pre>NCTTGGNGATGGCACTTCCAGNCCAGGNAAAGCACTGGGGNAGGGTCACAGGGATGCCA CCCGGGATCTGTTAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTCAAAG TTACCAAAGGCAGAAAAGATGTGTTCCCTCCATGAGTCCAGCTTTGAACCAATGTCTTCA GAGAGAGGGGAACAGGTTTCAAATTTCTGACCTTGGGAGCTAGAGTCAGAGATGCCCCCT CCAACCCCGTTTGGTTCGGGCAGGCAGTTCACATCTACCTCAAGAGGCAGCTGGGGCTTC AGACATTTTCGTTTCAGTTCAGGAGCACAGTGGTTGAGGATAATCTCCGGCCTAGCCAAA GGTTGGAAGGATTTCCCACTCTGACGCCGAGACTTGGCACGCCTGTTCTGGAACATAACC TGGATCCTGGACTCGGGGAGCAGGGTGAGCGCGGCCAGGCGCTCGCGCAAGTGGATGTCG GGGTACCGGGTCCGGCGGAAGACGAGCTCCAGCAGCTGCAGCTGTTTCGGCGCTGAAAGAC GTGCGCTTGCGGCGCTGCGACGCCGACGGGGCGGCCCGGGTCCCAGGAGGAAGCCGCANAG GTCGCTGGGCGGGGCCCGGGCGCGCAGGGAGCAAGGCTGCCGAGGGCTCGGGGGC GGCAGGAGCGCCCGCCGGCGTGGGGGGCCCGGTACGCTGAAACGCCCGCCCTCGGCA AACTGGAGCGCACGGGACTCGGCCGTGGGCATGAATTCGCGGCCGCCCTATGTGAGTCGT ATTACAAATTCGACGGTTCCTAAACGAGCTCTGTTTATATAGACCTCCACG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_031944
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:

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_031944.1](#), [NP_114150.1](#)

RefSeq Size: 699 bp

RefSeq ORF: 699 bp

Locus ID: 83881

UniProt ID: [Q9H2W2](#)

Cytogenetics: 1q42.12

Protein Families: ES Cell Differentiation/IPS

Gene Summary: Homeodomain proteins, such as MIXL1, are transcription factors that regulate cell fate during development (Hart et al., 2005 [PubMed 15982639]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.