

## Product datasheet for **RC236850**

### MIXL1 (NM\_001282402) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MIXL1 (NM\_001282402) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MIXL1  
**Synonyms:** MILD1; MIX; MIXL  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236850 representing NM\_001282402  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCACAGCCGAGTCCCGTGCCTCCAGTTTGCCGAGGGCGCCGCTTCCAGCGTACCGGGCCCCC  
ACGCCGGCGGGGCTCCTGCCGCCCGAGCCCTGCGGCAGCCCTGCTCCCTGCGCCGCCCGGGGCC  
CGGCCAGCGACCTTTGCGGGCTTCTCGGCCGGGACCCGGGCCGGCCCGCCGCCCGCCAGCCTG  
GGCTCGCCTGCGCCCCAAAGGCGCGCCCGCCGTCGGCGTGCAGCGCCGAAGCGCAGCTTTCA  
GCGCCGAACAGCTGCAGCTGCTGGAGCTCGTCTCCGCCGGACCCGGTACCCCGACATCCACTTGC  
GCGCTGGCCGCGCTCACCTGCTCCCCGAGTCCAGGATCCAGCTTTATTTTCTCCCCTTTCCAGGTA  
TGGTTCCAGAACAGGCGTCCAAGTCTCGGCGTCAGAGTGGGAAATCCTTCCAACCTTTGGCTAGGCCG  
AGATTATCCTCAACCACTGTGCTCCTGGAAGTAAACGAAATGTCTGAAGCCCCAGCTGCCTTTGAGGT  
AGATGTGAAGTGCCTGCCGAACCAACGGGTTGGAGGGGCATCTCTGACTCTAGCTCCCAAGGTCAG  
AATTTTGAACCTGTTCCCCTCTCTGAAGACATTGGTTCAAAGCTGGACTCATGGGAGGAACACATCT  
TTCTGCCTTTGGTAACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC236850 representing NM\_001282402  
Red=Cloning site Green=Tags(s)

MATAESRALQFAEGAAFPAYRAPHAGGALLPPSPAAALLPAPPAGPGPATFAGFLGRDPGPAPPPASL  
 GSPAPPKAAAAPSASQRRKRTSFSAEQLLLELVFRRTYPDIHLRERLAALTLLPESRIQLLFSPLFQV  
 WFQNRRAKSRRQSGKSFQPLARPEIILNHCAPGTETKCLKPQLPLEVDVNCLPEPNGVGGGISDSSSQGQ  
 NFETCSPLSEDIGSKLDSWEEHIFSAFGNF

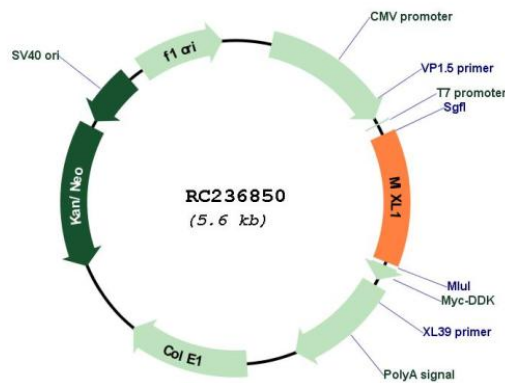
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282402

**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282402.2</a>
<b>RefSeq Size:</b>	2048 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	83881
<b>UniProt ID:</b>	<a href="#">Q9H2W2</a>
<b>Cytogenetics:</b>	1q42.12
<b>Protein Families:</b>	ES Cell Differentiation/IPS
<b>MW:</b>	26.1 kDa
<b>Gene Summary:</b>	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]