

Product datasheet for **RG236850**

MIXL1 (NM_001282402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIXL1 (NM_001282402) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MIXL1
Synonyms:	MILD1; MIX; MIXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236850 representing NM_001282402. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACAGCCGAGTCCCGTGCCTCCAGTTTGCCGAGGGCGCCGCTTCCAGCGTACCGGGCCCC
CACGCCGGCGGGGCGCTCCTGCCGCCCGAGCCCTGCGGCAGCCCTGCTCCCTGCGCCGCCCGGGC
CCCGGCCAGCGACCTTTGCGGGCTTCTCGGCCGGGACCCCGGGCCGGCCCCGCCGCCCGCCAGC
CTGGGCTCGCTGCGCCCCAAAGGCGCGCCCGCCCGTCCGGCGTCGCAGCGCCGAAGCGCACGTCT
TTCAGCGCCGAACAGCTGCAGCTGCTGGAGCTCGTCTCCGCCGACCCGGTACCCCGACATCCACTTG
CGCGAGCGCTGGCCGCGCTCACCTGCTCCCCGAGTCCAGGATCCAGCTTTTATTTTCTCCCCTTTC
CAGGTATGGTTCCAGAACAGGCGTGCCAAGTCTCGGCGTCAGAGTGGGAAATCCTCCAACCTTTGGCT
AGGCCGGAGATTATCCTCAACCACTGTGCTCCTGGAACGAAACGAAATGTCTGAAGCCCCAGCTGCCT
CTTGAGGTAGATGTGAACTGCCTGCCCGAACCAACGGGGTTGGAGGGGGCATCTCTGACTCTAGCTCC
CAAGGTCAGAATTTTGAACCTGTTCCCCTCTCTCTGAAGACATTGGTTCAAAGCTGGACTCATGGGAG
GAACACATCTTTTCTGCCTTTGGTAACTTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236850
 Blue=ORF Red=Cloning site Green=Tag(s)

MATAESRALQFAEGAAFPAYRAPHAGGALLPPPSAAAALLPAPPAGPGPATFAGFLGRDPGPAPPPAS
 LGSPAPPKGAAPSASQRRKRTSFSAEQLQLLELVFRRTRYDPIHLRERLAAL TLLPESRIQLLFSPLF
 QVWFQNRRAKSRRQSGKSFQPLARPEIILNHCAPGTETKCLKPQLPLEVDVNCLPEPNGVGGGIDSSS
 QGQNFETCSPLSEDIGSKLDSWEEHIFSAFGNF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282402

ORF Size: 720 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

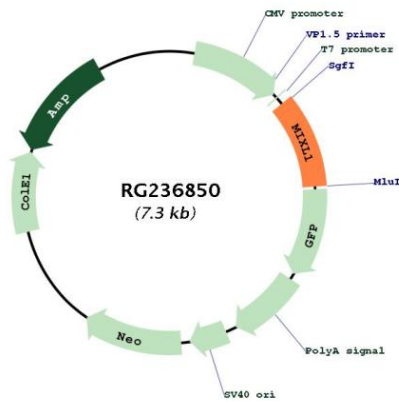
RefSeq: [NM_001282402.2](#)

RefSeq Size: 2048 bp

RefSeq ORF: 723 bp

Locus ID: 83881
UniProt ID: [Q9H2W2](#)
Cytogenetics: 1q42.12
Protein Families: ES Cell Differentiation/IPS
MW: 26.1 kDa
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]

Product images:



Circular map for RG236850