

Product datasheet for **RG211288**

MIXL1 (NM_031944) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MIXL1 (NM_031944) 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: >RG211288 representing NM_031944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACAGCCGAGTCCCCTGCGCTCCAGTTTGCCGAGGGCGCCGCTTCCAGCGTACCGGGCCCCC
 ACGCCGGCGGGCGCTCCTGCCGCCCGAGCCCTGCCGAGCCCTGCTCCCTGCGCCGCCCGGGGCC
 CGGCCAGCGACCTTTGCGGGCTTCTCGGCCGGGACCCGGGCCGGCCCGCCGCCCGCCGAGCCTG
 GGCTCGCCTGCGCCCCAAAGGCGCGGCCCGCCGTCGGCGTCGCAGCGCCGAAGCGCACGTCTTCA
 GCGCCGAACAGCTGCAGCTGCTGGAGCTCGTCTCCGCCGACCCGGTACCCCGACATCCACTTGCGCGA
 GCGCCTGGCCGCGCTCACCTGCTCCCCGAGTCCAGGATCCAGGTATGGTTCCAGAACAGGCGTGCCAAG
 TCTCGGCGTCAGAGTGGGAAATCCTTCCAACCTTTGGCTAGGCCGGAGATTATCCTCAACCACTGTGCTC
 CTGGAAGTGAACGAAATGTCTGAAGCCCCAGCTGCCTCTTGAGGTAGATGTGAAGTGCCTGCCCGAAC
 AAACGGGGTTGGAGGGGGCATCTCTGACTCTAGCTCCCAAGGTCAGAATTTGAAACCTGTTCCCTCTC
 TCTGAAGACATTGGTTCAAAGCTGGACTCATGGGAGAACACATCTTTCTGCCTTTGGTAACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211288 representing NM_031944
 Red=Cloning site Green=Tags(s)

MATAESRALQFAEGAAFPAYRAPHAGGALLPPPSAAAALLPAPPAGPGPATFAGFLGRDPGPAPPPASL
 GSPAPPKGAAAPSASQRRKRTSFSAEQLQLELVFRRTRYDPDIHLRERLAALTLLPESRIQVWFQNRRAK
 SRRQSGKSFQPLARPEIILNHCAPGTETKCLKPQLPLEVDVNCLPEPNGVGGGISDSSSQGNFETCSPL
 SEDIGSKLDSWEEHIFSAFGNF

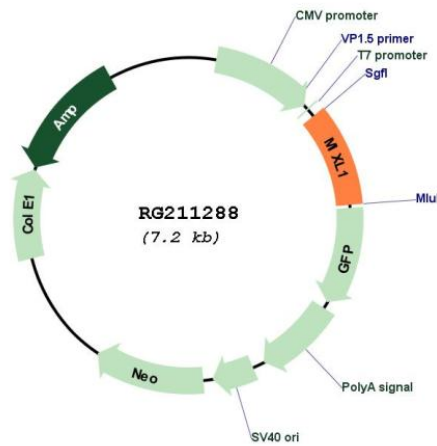
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031944

ORF Size: 696 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).
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:	NM_031944.3
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]