

Product datasheet for **RR200941**

Mixl1 (NM_001105979) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mixl1 (NM_001105979) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Mixl1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR200941 representing NM_001105979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAGCAGGGTCCCAGCAGCTTCAGTTCGAGAGGGCGCCGCTTTCCACACCTTCCCGGCCGCGC
 ACCCCGGAGGACAGCTGCTCCCGGCCGCGCCAGCCACTGGGTACCCCGGCCCGCCCGGACTCTCG
 CGCCCCAGCGGCCACGCCATGCTTTCCAAGCCGGGGCCCCAGGCCGAGCGCAGACTCCACCGGCCTG
 GATCCGCCCGGACCCTCCAAAGGCTCGGCCGCCCGCTGCGCCGAGCGCCGAAGCGCACGTGTTCA
 GCTCCGAGCAGCTGCAGTTGCTGGAGCTCTTCCGACAGCCATGTACCCCGACATCCACTTGCGGGA
 GGGTCTGGCTGCGCTCAGCTGCTACCCGAGTCAAGGATCCAGGTGTGGTTCCAGAACAGACGGGCCAAG
 TCCCGGCTCAGAGCGGGAAGTCGTTTACGCCCTTATCCTCAAGCGGGAAGATTTCTCCATCGTCCTG
 CTCGGGGACTGAAGCAAGGTGTCTGAAGCCTCAGTTGCCTCTAGAGGCGGATGTGAACCAGTTCTGGA
 TTCCAGTATGGCTGGAGGAGCGTCTGTACATCTGTTTCTCAGGGTTTTGAACTTACTCTCTCTCTCT
 GAAGATATTGGCTCAAAGTTGGACTCATGGAGGAGCACATCTTTCTGCCTTGGGTAGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200941 representing NM_001105979
 Red=Cloning site Green=Tags(s)

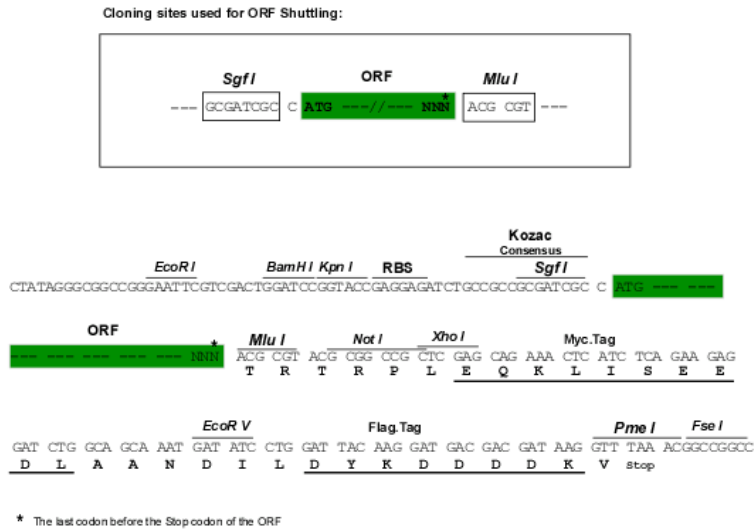
MAAAGSQQQLQFAEGAAFPTFPAAHPPGGQLLPAARPATGLPPAPPDSRAPAATPCFPSRGRPRPAAQTPTGL
 DPPGPSKGSAAAPSAPQRRKRTSFSSQLQLELVFRQTMYPDIHLRERLAALTLLESRIQVWFQNRRAK
 SRRQSGKSFQPLSSRREDFLHRPAPGTEARCLKPQLPLEADVNHVLDSSMAGGGVCTSGSQGFETYSSLS
 EDIGSKLDSWEEHIFSALGSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105979

ORF Size: 693 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:

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_001105979.1](#), [NP_001099449.1](#)

RefSeq Size: 2342 bp

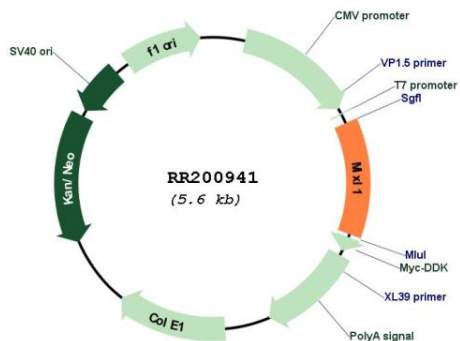
RefSeq ORF: 696 bp

Locus ID: 289311

Cytogenetics: 13q26

MW: 24.8 kDa

Product images:



Circular map for RR200941