

Product datasheet for **RR210916**

Mlx (NM_001034112) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mlx (NM_001034112) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mlx
Synonyms: Tcfl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210916 representing NM_001034112
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACGGAGCCGGGCGCCTCTCCGGAGGACCCCTGGGTCAAGGCAAGCTCCGCGGATGCGCACGCCGCGG
AGGGGAGGGCGGGTCCGGCTCGTGCACGTAGGGGGTCCGGAAGACGTGGGGCTCCCCAACTATCCCCAGA
GTCTCCCTGCTGTCCAGGCCCGGGGTGCAGAGAAGACAGCTCTACCCGGCCTGTGCCAAGGTCCGAG
TATGCCTACAGTGACAACAGCCTGGACCCCTGGGCTTTTTGTAGAAAGCACCCACAAGGGGAGTGTAGTGT
CCAGAGCTAATAGCATCGGTTCCACCAAGTGCCTCTTCTGTCCCAACACAGATGATGAGGACAGCGATTA
TCAGCAGGAATCCTACAAGGAGTCTATAAAGACCCGGAGGCGGCGTGCACACTCAGGCTGAACAGAAG
AGGAGGGATGCTATTAAGAGAGGCTATGATGACCTTCAGACCATTTGCCCTACTTGCCAGCAGCAGGATT
TCTCCATTGGCTCCCAAAAACCTCAGCAAAGCCATCGTTCTACAGAAGACCATTGACTACATCCAGTTTTT
ACACAAGGAGAAGAAAAACAGGAGGAGGAGGTGCCACCCTGCGCAAGGACGTCACAGCCTTGAAGATA
ATGAAAGTGAATATGAGCAGATCGTGAAGGCACATCAGGACAACCCTCATGAGGGAGAGGACCAGGTCT
CTGACCAGTCAAGTCAACGTCTTTCAAGGCATCATGGACTCCCTGTTCCAGTCTTTCAACGCCTCCAT
CTCTGTGCCAGCTTCCAGGAGCTCTCAGCCTGTGTCTTCAGCTGGATTGAAGAACACTGTGAACCCGAG
ACTCTACGGGAGATTGTGATCGGTGTCCTTCATCAGTTGAAAAACCAACTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210916 representing NM_001034112
 Red=Cloning site Green=Tags(s)

MTEPGASPEDPWVKASSADAHAGEGRAGRARARRGSGRRGAPQLSPESPLL SRPRGCREDDSSHPACAKVE
 YAYSDNSLDPGLFVESTHKGSVSRANSIGSTSASSVPNTDDESDYQQESYKESYKDRRRRAHTQAEQK
 RRDAIKRGYDDLQTI VPTCQQQDF SIGSQKLSKAI VLQKTI DYIQFLHKEKKKQEEVSTLRKDV TALKI
 MKVNYEQIVKAHQDNPEHEGDQVSDQVKFNVFQGMDSL FQSFNASISVASFQELSACVFSWIEEHCEPQ
 TLREIVIGVLHQLKNQLY

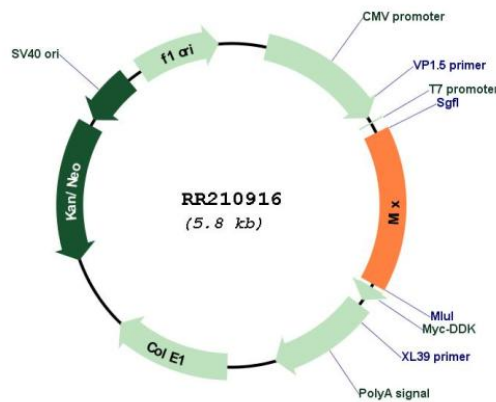
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034112

ORF Size: 894 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_001034112.1 , NP_001029284.1
RefSeq Size:	1913 bp
RefSeq ORF:	897 bp
Locus ID:	360631
Cytogenetics:	10q31
MW:	33.4 kDa