

Product datasheet for **MR204918**

Tlx1 (NM_021901) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tlx1
Synonyms:	Hox-11; Hox11; Tlx-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR204918 representing NM_021901
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCACCTGGGTCCGCACCATCTCCACCCGGGCCACGCGGAGCCCATCAGCTTCGGTATCGACCAGA
TCCTCAACAGCCCCGACCAAGGCGGGTGCATGGGGCCCGCTTCGCGCCTCCAGGATGGAGACTACGGCCT
TGGCTGTTTGGTTGGAGCGCCTACACTTACGGCGCGGGGGCTCCGCTGCTGGGGCGGGGGCGGGGGC
ACTGGCGCTTACGGCGCGGGTGGCCAGGTGGTCTGGTGGTCCGGCGGGCGGGCGGGCGGTGCCTGCA
GCATGGGCCCACTGCCCGGCTCTACAACGTGAACATGGCCTTGGCGGGCGGGCCCGTCCGGCGCGCGG
CGGCGGTGGCGGGGTGCCGTGGCGCGGGCGCTGAGCGCTGCAGGGTGATCCGGGTGCCCGCGCAC
AGGCCGCTAGCTGGAGCTGTGGCCCATCCCAGCCCCGCGCACCGGCTTGCTACAGTACCCTCTGTGC
CTGCGGTGCCGGGTGTCAACAACCTCACCGGCTCACCTTTCCCTGGATGGAGAGTAACCGCAGATACAC
AAAGGACAGGTTACAGGTCACCCCTATCAGAACCGGACGCCCCCTAAGAAGAAGAAGCCGCGCACATCC
TTCACGCGCTGCAGATCTGTGAGCTGGAAGAGCGCTTCCACCGCCAGAAGTACTTGGCTTCGGCGGAGC
GCGCTGCTCTGGCCAAGGCGCTCAAAATGACCGATGCGCAAGTAAAAACCTGGTTCAGAACCAGGAGGAC
GAAATGGAGCGACAGACAGCAGAGGAACGTGAGGCCGAGAGGCAGCGCAACCGCATCTCTGTCAG
CTGCAGCAGGAAGCCTTCCAGAAGAGCCTGGCCAGCCGCTGCCTGCAGACCCACTGTGCGTGCAAACT
CCTCGCTCTTCGCCCTGCAGAACCTGCAGCCGTGGTCTGACGACTCCACCAAAATCACCAGCGTCACGTC
CGTGGCTTCGGCTGCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



Protein Sequence:

>MR204918 representing NM_021901

Red=Cloning site Green=Tags(s)

MEHLGPHHLHPGHAEPISFGIDQILNSPDQGCGMPASRLQDGDYGLGCLVGGAYTYGGGGSAAAGAGAGG
TGAYAGGPGPGPPAGGGGGACSMGPLPSGYNVNMALAGPGPGGGGGGGAGGAGALSAAGVIRVPAH
RPLAGAVAHPLQTLGLTPVSPVAPVGVNNL TGLTFPWMSNRRTYKDRFTGHPYQNRTPPKKKKPRTS
FTRLQICELEKRFHRQKYLASAPRAALKMKTADQKTFWNRRTKWRQTAEEERAERQANRILLQ
LOOEAFOKSLAOPLPADPLCVHNSSLFALONLPWSDSTKITSVTSVASACE

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

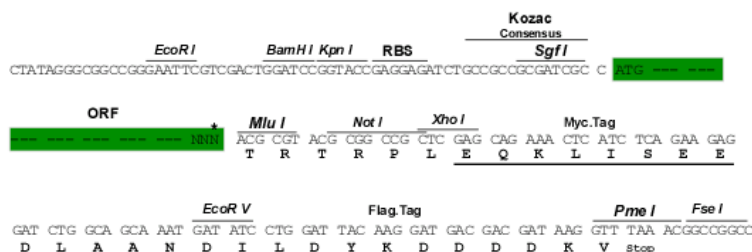
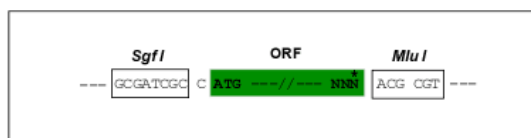
https://cdn.origene.com/chromatograms/mm9036_f12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

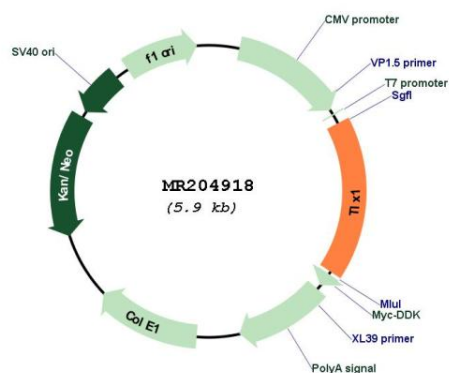
NM_021901

ORF Size:

999 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021901.3 , NP_068701.1
RefSeq Size:	2030 bp
RefSeq ORF:	1002 bp
Locus ID:	21908
Cytogenetics:	19 38.45 cM
MW:	34.8 kDa

Product images:



Circular map for MR204918