

Product datasheet for **RC202940**

TLX2 (NM_016170) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TLX2 (NM_016170) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TLX2
Synonyms: HOX11L1; NCX
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC202940 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGAGCCGGGGATGCTGGGTCCACACAACCTCCACACCACGAGCCAATCAGCTTCGGCATCGATCAGA
TCCTGAGCGGCCCGAAACCCAGGGGGCGGTCTAGGCCTGGTTCGCGGGGCCAGGGTCATGGGGAGAA
TGGGGCGTTCTCGGGTGGATACCACGGAGCCTCGGGTACGGTCCCGCCGGCTCACTTGCCCCGTGCC
GGCAGCTCCGGAGTGGGCCAGGCGGCGTGATCCGCGTCCCTGCGCACCCGCCGCTGCCTGTGCCGCCG
CCGCTGGGGGGCGCCTGCAGTGCCTGGGCCCTCGGGTTTGGCGGGCGCCGGAGGCCCTAGCGGGACTCAC
CTTCCCCTGGATGGACAGCGGCCGCGCTTTGCCAAGGACCGGCTCACGGCTGCGCTCTCGCCCTTCTCT
GGGACGCGCCGATAGGCCACCCCTACCAAAACCGGACCCCTCCGAAGCGGAAGAAGCCGCGCACGTCT
TCTCCCCTCACAGGTGCTGGAGTTGGAGCGGCGCTTCTGCGCCAGAAGTACCTGGCCTCTGCGGAGAG
GGCGGCGCTGGCCAAGGCCTTGCATGACCGACGCACAGGTCAAACGTGGTTCCAGAACCGACGCACC
AAGTGGCGGCCAGACGGCGGAGGAGCGGAGGCCGAGCGGCACCGCGGGCCGGCTGCTCCTGCATC
TGCAGCAGGACGCGTTGCCACGGCCGCTGCGGCCGCGCTGCCCGGACCCTCTGCTGCACAACCTC
GTCGCTTTCGCGTGCAGAACCTGCAGCCCTGGGCCGAGGACAACAAAGTGGCTTCAGTGTCCGGGCTC
GCCTCGGTGGTG

AG**GCGACC**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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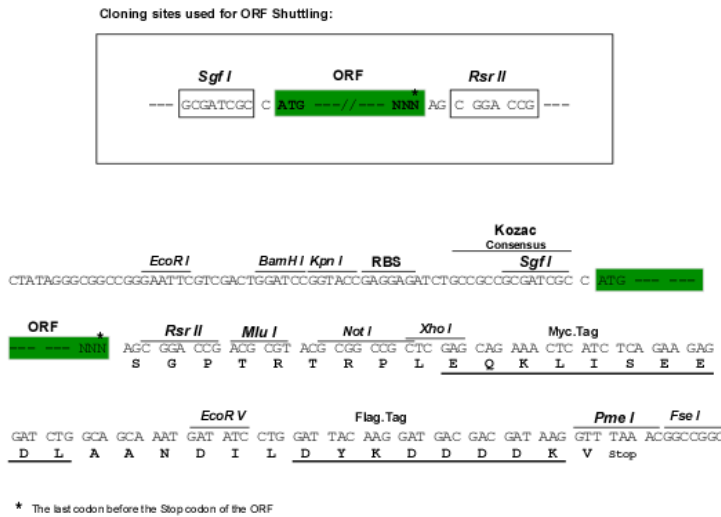
Protein Sequence: >RC202940 protein sequence
 Red=Cloning site Green=Tags(s)

MEPGMLGPHNLPHHEPISFGIDQILSGPETPGGGLGLGRGGQGHGENGAFSGGYHGASGYGPAGSLAPLP
 GSSGVGPGGVIRVPAHRPLPVPPPAGGAPAVPGPSGLGGAGGLAGLTFPWMSGRRFADRLTAALSPFS
 GTRRIGHPYQNRTPPKRKKPRTSFSRSQVLELERRFLRQKYLASAERAALAKALRMTDAQVKTWFQNRRT
 KWRRQTAEEREAEERHRAGRLLLHLQQDALPRPLRPPLPPDPLCLHNSSLFALQNLQPWAEDNKVASVSGL
 ASVV

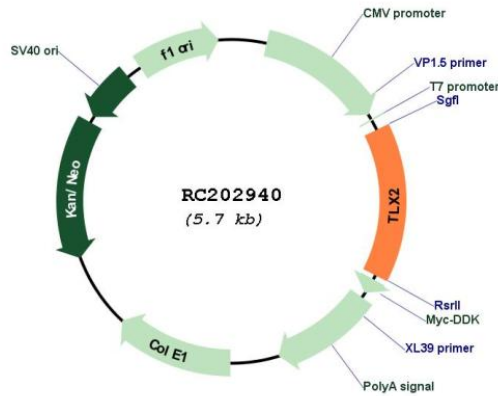
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_016170

ORF Size: 852 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.
RefSeq:	NM_016170.5
RefSeq Size:	2170 bp
RefSeq ORF:	855 bp
Locus ID:	3196
UniProt ID:	O43763
Protein Families:	Transcription Factors
MW:	30.3 kDa
Gene Summary:	This gene is a member of an orphan homeobox-containing transcription factor family. Studies of the mouse ortholog have shown that the encoded protein is crucial for the development of the enteric nervous system; in humans, loss-of-function may play a role in tumorigenesis of gastrointestinal stromal tumors. [provided by RefSeq, May 2010]