

Product datasheet for **RR217192**

Tle1 (NM_001173433) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle1 (NM_001173433) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR217192 representing NM_001173433
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCCCTCAGAGCCGGCACCCAAACGCCGACCAGGCTGCAGGCCAGCCCTTTAAGTTCATATCCCGG
AGTCCCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGTCTTAAATTGGAGTG
TGAGAAATTGGCAAGTGAAGACAGAAATGCAGAGACTACGTGATGTATTATGAAATGTCATATGGA
TTAAACATTGAAATGCATAAACAGACCGAAATCGCCAAGAGATTGAATACCATTGTGCACAAGTCATCC
CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTCGAACGTGCCAAACAGGTGACCATGGC
AGAGTTGAATGCCATCATCGGGCAGCAGAGTTGCAAGCTCAGCATCTCTCCATGGCCATGGACCCCCA
GTACCTCTCACGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGCAGTGCCAGCC
TTCTCGCGCTGTCTAGTCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGA
TGCAGAGCGCCACAGAGACAGAGAGCCGGGCACGAGTAATCCCTCTTGGTCCCAGACAGCCTAAGAGGC
ACAGATAAACGCAGAAATGGTCCAGAGTTTCCAGTGACATCAAAAAACGGAAGTGGATGATAAGGATA
ACTATGACAGTGTGGGGACAAGAGTGACGACAACCTAGTTGGATGTGTCTAATGAGGACCCCTCTTC
TCCACATGCAAGCCCCACACTCACCCCGGAAAACGGAATTGACAAAAACCGTCTGTTGAAGAAAGAT
GCTTCAGGTAGCCCGGCATCCACAGCCTCCTCTGGAAGTTCCTCATCCCTGAAATCCAAAGAAGTGAACC
TGCATGAAAAAGCCAACACGCCTGTTCTGAAATCCAGCACACCAACGCCTCGGAGTGACATGCCAACCCC
GGGCACCAGCGCTACTCCAGGCTCCGTCAGGTCTCGGAAGCCTCCAGCCATGGAGCCCTTGTCAAC
CAAGCAGCAGCTGGCCTGAGGACGCCCCGGCAGTGCCTGGCCCATACCTGCCCCCTTGGCATGGTGC
CCATGGCAGGCATGAACGGAGAGCTGACCAGCCCTGGCGTGCCTATGCAGGTCTACACAGCATGTCTCC
ACAGATGAGCGCTGCAGCTGCTGCAGTCTGCTGCTGTGGTGGCCTATGGGCGCTCCCAATGGTTGGT
TTTGATCCTCCTCCTCACATGAGAGTACCTTCTATCCCTCCCAACCTGGCAGGAATACCTGGCGGAAAC
CAGCACTCCTTCCACGTTACGGCTGACGGACAATGCAGCCTGTCCCTTTTCCCCTGACGCCCTCAT
TGGACCTGGGATCCCGGACATGCTCGGCAGATCAATACCCTCAACCACGGGGAGGTGGTGTGTGCAGTG
ACCATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGCGTTAAGGTCTGGGACATCAGCC
ACCCTGGCAACAAGAGCCCCGTCTCTCAGCTGGATTGTCTGAACAGAGATAACTACATCCGTTCTGTAA
ATTGCTACCTGATGGCTGTACTCTCATAGTGGGAGGGGAAGCCAGTACTCTATCCATCTGGGACCTGGCA
GCTCCAACCTCCCGAATTAAGGCAGAGCTGACATCCTCAGCCCCGCTGCTATGCTCTGGCCATCAGCC
CTGACTCCAAGGTCTGTTCTCATGCTGCAGTGTGGCAACATCGCAGTATGGGACCTGCACAACCAGAC
CCTGGTGAAGCAATTCAGGGCCACACAGACGGAGCCAGCTGTATTGACATTTCTAATGATGGCACCAGG
CTCTGGACAGGCGGTTTAGACAACACTGTGAGGTCTGGGACCTGAGAGAAGGAAGGCAGCTGCAGCAGC
ATGATTTCACTTCACAGATCTTCTCCTTGGGATACTGCCAACTGGGGAGTGGCTTGGCCTGGGCATGGA
AAGCAGCAACGTGGAAGTTCTGCATGTGAACAAGCCTGACAAATACCAGCTTCACCTCCACGAGAGTTGT
GTGCTGTCCCTAAAATTTGCTTATTGTGGCAAGTGGTTTGTGAGTACTGGAAAAGACAACCTCCTAAATG
CCTGGCGGACACCATATGGAGCCAGCATATCCAGTCCAAGAATCTTCATCAGTGCTTAGCTGTGACAT
CTCTGTGGATGATAAATACATAGTCACTGGCTCAGGGGACAAAAAGGCTACCGTTTATGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217192 representing NM_001173433
 Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQAVERAKQVTMAELNAIIGQQQLQAQHL SHHGPP
 VPLTPHPISGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKKHHDAERHRDREPPTSNSLLVPDSL
 TDKRRNGPEFSSDIKKRVDDKDNYSDDGKSDNLLVVDVSNEDPSSPHASPTHSPRENGIDKNRLLKKD
 ASGSPASTASSGSSSLKSKVNLHEKANTPVLKSSSTPTPRSDMPTPGTSATPGLRPGLGKPPAMEPLVN
 QAAAGLRTPAVPGYPAPFGMVPHAGMNGELTSPGAAYAGLHSMSPQMSAAAAAAAAAVVAYGRSPMVG
 FDPPPMPRVPSIPPNLAGIPGGKPAYSFHVTADGQMPPVFPDPDALIGPGIPRHRQINTLNHGVEVCAV
 TISNPTRHVYTGKGCVKVWDISHPGNKSPVSLDCLNRDNYIRSKLLPDGCTLIVGGEASTLSIWDLA
 APTPRIKAELTSSAPACYALAI SPDSKVCFSCCSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISNDGTK
 LWTGGLDNTVRSWDLREGRLQQHDFTSQIFSLGYCPTGEWLAVGMESNNVEVLHVNKPKDYQLHLHESC
 VLSLKFAYCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKIYIVTGSDDKATVVEVIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001173433

ORF Size: 2310 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_001173433.1](#), [NP_001166904.1](#)

RefSeq Size: 2892 bp

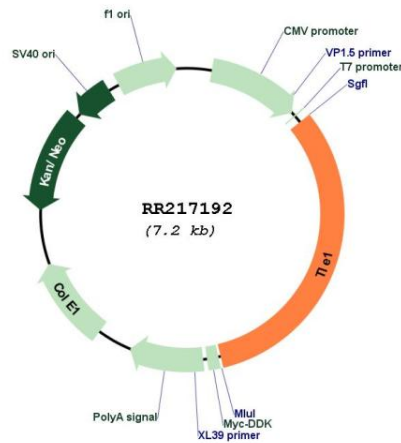
RefSeq ORF: 2313 bp

Locus ID: 362533

Cytogenetics: 5q31

MW: 83.1 kDa

Product images:



Circular map for RR217192