

Product datasheet for **RR204731**

Tle3 (NM_053400) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle3 (NM_053400) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle3
Synonyms:	Esp3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204731 representing NM_053400
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATCCGCAAGGCAGACATCCGGCACCCATCAACCCGGGCAGCCAGGATTTAAATTCACTGTGGCCG
 AGTCCTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA
 CGACAAGCTGGCGAACGAGAAGACAGAGATGCAGCGCCATTATGTGATGTACTATGAGATGTCCTACGGC
 TTGAATATCGAAATGCACAAGCAGACAGAGATCGCGAAGAGACTGAACACGATTCTAGCCCAGATCATGC
 CTTTTTTGTACAGGAGCATCAGCAGCAAGTGGCGCAGGCTGTGGAACGCGCCAAGCAGGTCACCATGAC
 GGAGCTGAACGCCATCATCGGGCAGCAGCAACTCCAGGCACAGCACCTCTCCCATGCCACACATGGTCCC
 CCGGTCCAGCTGCCACCCACCCGTCAGGCCTCCAACCTCCTGGGATCCCCAGTGACAGGAAGCAGCT
 CTGGGTTGCTGGCACTTGGTGCCTGGGAAGCCAAGCCACTTGGCAGTGAAGGATGAGAAGAACCATCA
 TGAAGTGGATCACAGAGAGAGAGTCCAGCACGAACAATTCTGTGTACCCTCAGAAAGCCTCCGGGCC
 AGTGAGAAGCACCGGGCTCTGCAGACTACAGCATGGAAGCCAAGAAGCGAAAGCGGAAGAGAAAGACA
 GCCTGAGCCGATACGACAGCGATGGGGACAAGAGTGATGACCTGGTAGTGGATGTCTCCAATGAGGACCC
 AGCGACACCCCGGTGAGCCCAGCACACTCCCCTCCTGAAAATGGGCTGGACAAAGCCCGAGGTCTGAAG
 AAAGACGCCCCACCAGCCCAGCCTCTGTGGCTTCCAGCAGCACGCCTTCTCCAAGACCAAAGACC
 TTGGTCATAATGACAAATCTTCCACACCTGGGCTCAAGTCCAACACACCAACGCCAAGGAACGATGCCCC
 AACTCCAGGCACCAGCACCCCGGGCTCCGGTCAATGCCGGGCAAACCTCCAGGCATGGACCCGATA
 GCCTCGGCCCTGCGCACACCCATCTCCCTCACCAGCTCCTATGCAGCACCTTTGCCATGATGAGCCACC
 ACGAGATGAATGGCTCCCTCACCAGCCCAAGCGCCTATGCTGGCCTACACAACATCCCATCCCAGATGAG
 CGCCGCCGAGCAGCTGCAGCCGCGCCTATGGCCGATCGCCAATGGTTGGTTTTGACCCTCATCCCCCG
 ATGCGGGCCACAGGCCTGCCCTCAGTCTTGCCTCCATTCTGGAGGAAACCGGCGTACTCCTTCCATG
 TGAGTGCCGACGGGCAGATGCAACCTGTGCCCTTCCCCATGATGCGCTAGCAGGCCCGGCATTCCAG
 GCATGCCCGGCAGATCAACACACTCAGCCATGGGGAGGTGGTATGTGCCGTGACCATCAGCAACCCACG
 AGGCACGTCTACACAGGCGGCAAGGGCTGTGTGAAGATATGGGACATCAGCCAGCCGGGCAGCAAGATC
 CCATCTCCAGCTGGACTGCCTGAACAGGGACAACACTACATCCGCTCATGCAAGCTTCTCCCTGATGGGCG
 CACGCTCATTGTGGTGGTGGAGCCAGCACACTACCATCTGGGACCTGGCCTCGCCACGCCCCGCATC
 AAGGCTGAGCTGACGTCCTCGGCTCCAGCTGTTACGCCCTGGCCATCAGTCTGATGCCAAAGTCTGTT
 TCTCCTGCTGCAGTGATGGGAACATTGCAGTTTGGGATCTGCACAACCAGACCCTGGTCAGGCAGTTCCA
 GGGCCACACGGATGGGGCCAGCTGTATAGACATCTCTCATGATGGCACTAAACTGTGGACCGGGGGCCTG
 GACAACACTGTGCGCTCCTGGGACCTGCGTGAAGGGCGGCAGCTACAGCAACACGACTTCACCTCCCAGA
 TCTTCTCCCTGGGTTACTGCCCACTGGGGAGTGGCTCGCCGTGGGCATGGAGAGCAGCAACGTAGAGGT
 TCTGCACCACCAAGCCGACAAGTACCAACTGCATCTGCACGAGAGCTGCGTGTCTCCCTCAAGTTT
 GCCTACTGTGGCAAGTGGTTTGTGAGCACTGGGAAAGACAACCTTCTCAATGCCTGGAGGACGCCTTACG
 GAGCCAGCATCTCCAGTCTAAAGAATCCTCGTCCGTCTTGAGCTGTGATATTTACGCGGATGACAAATA
 TATTGTAACGGGCTCTGGTGACAAGAAGGCCACAGTTTACGAGGTCATCTAC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204731 representing NM_053400
 Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMS
 YG LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAKQVTMTELNAIIGQQQLQAQHL
 SHATHGP PVQLPPHPSGLQPPGIPPVTGSSSGLLALGALGSQAHLAVKDEKNHHELDHRE
 RESSTNNSVSPSESLRA SEKHRGSADYSMEAKKRKAEEKDSLRYDSDGDKSDDL
 VVDVSNEDPATPRVSPAHSPENGLDKARGLK KDAPTSASVASSSTPSSKTKDLGHNDK
 SSTPGLKSNTPTRNDAPTPGTSTTPGLRSMGKPPGMDPI ASALRTPISLTS
 SYAAPFAMMSHHMNGSLTSPSAYAGLHNIPSQMSAAAAAAAAAYGRSPMVGFDPHPP
 MRATGLPSSLASIPGGKPAYSFHVSADGMQPVFPFDALAGPGIPRHARQINTLSHGEV
 VCAVTISNPT RHVYTGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTL
 IVGGEASTLTIWDLASPTPRI KAE LTSSAPACYALAI
 SPDAKVCFSCCSDGNI
 AVWDLHNQTLVRQFQGHTDGASCIDISHDGT
 KLTWTGGL DNTVRSWDLREGRQLQ
 QHDFTSQIFSLGYCPTGEWLA
 VGMESSNVEVLHHTKPKDYQLHLHESC
 VLSLKF AYCCKWFVSTGKDNLL
 NAWRTPYGASIFQSKESSVLS
 CDISADDKYIVTGSGDKKATVYEVIY

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_053400

ORF Size: 2292 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_053400.1](#), [NP_445852.1](#)

RefSeq Size: 4776 bp

RefSeq ORF: 2295 bp

Locus ID: 84424

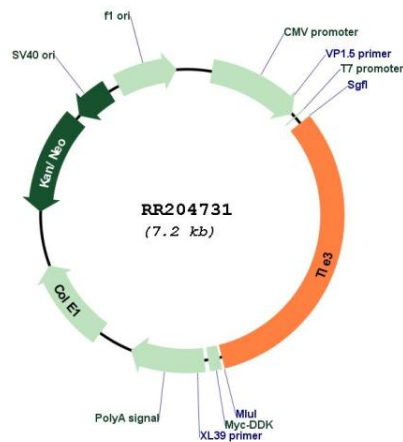
UniProt ID: [Q9JIT3](#)

Cytogenetics: 8q24

MW: 82.6 kDa

Gene Summary: may be involved in transcription regulation in the CNS both during development and in the adult [RGD, Feb 2006]

Product images:



Circular map for RR204731