

Product datasheet for **RR214440**

Tlr12 (NM_001108682) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr12 (NM_001108682) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlr12
Synonyms:	RGD1559145
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR214440 representing NM_001108682
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAGGTCCTTCCTGCTGCCGGTCTCCTCCTTTCACTGCCTCTGGTAACAGGGTGGACCCTCCCA
 AATGCCTGGTGAAGGCTCCCAACTGCCCTGGTCTCCCGCTATTTCACTCTGCCACTACTCCAA
 GCTGTCCTTTCTGCTGCATGCTTCCCTGTGAGCAACCTGACGCAGACCTTGAAGCTGTGCCTCGGAAT
 GTGGAGGGCTCTGCCTCAGTGGTTCTGTGTCTACTCTGCTTCCGGATGCCTTCTGCTTTCCCTGGAC
 TCAAGTTCCTGGGACTGAATCTGCACCTTACCCGACTCCTGCCAGGAGCTCTCCGGGGCTGGGACAGTT
 ACGGAACCTCTTTTGTGACCAACCTTCTGAAAGAACTCTCTTTTACCTCCTGATGCCTTTGGT
 GACCTGATTTCCCTCCAGAGACTCCATTTCTGTGGCCCTGTCTGAATAAGAAGGCAGGTGTCCGTCTAC
 CTTCCAGTCTGCAATGGCTCTCTGTCAATCAGTTGCCCTCAGGACTCAGGAGAGCTGGCTGGTATATT
 CCCAGATCTGGTCAAAAATTCCTCCTCCAGGGCTTCGTGGACCCTGAAGAAGTTGGATCTGTCATTAAC
 CAGAAGCTGAAGATGGCTACTCCTGGGTCCCTACAGGGTCTCCAGGTGGAGATTCTGGACCTGAGGAAAA
 CACAACCTGGATGCTGGGGCAGTGAAGGGCTGGGACTTCAGAACTCAATGTTTTGTATGCACCGACTGC
 CACGGCCGAGCTGGCTGCTGAGACTGCTGCCACTTTGAGCTGCAGGGCCTGAATGTGGACAGAAGCAAG
 ATAGGAAATATATCTCAGGAGGCCCTGGCTTCTGCCATAGCCTGGAGACCTTGAGTCTGTGACACTG
 GACTGACTAAGCTGCCACCAGGCTTTCTGGCTGCCATGCCATAGGCTTCGGAGACTGAACCTGGCCGAAA
 CCAACTACAGAGCACCATGCTGTGTATGAATGAGACAGGAGACGTGTGAGACTCTCAACTCTGGATCTG
 TCAGGCAATGGTTGCGCATCTGCCTCCAGCCACCTTCTCCTGTTTACCACACTGCGAGAGCTGCTGC
 TTCAGGACAACCAGCTGCTTTCCCTGGAGGGCACCCGTTCCAAGATCTACAGCAACTAGAGACCTTGAA
 GCTGGATAGGAACCCCTGCTTAACCTGGGGAAGAAGTGTGGCTGCTCTGCCTGCATTGACTACCCTT
 AGCCTGTAGATACCCAAATATTGCACAGCCAGATGCTGGCTTCTGGGAGCAAGGAGTCTGCATACCT
 TACACCTGAGCTTCCCCCTCTCTGCTCCGGCAGTATTGTCCCTGCCATGTATCTGACCAGTTTAGA
 GCTTATGTAAACCCAGGCTTGAAGCATTGGACTGTCCCAAATATCTTTCTTTCTGGAGACCTTG
 ACCATAACGGCAGGGGACTGAAGCTGGGGTCCAAAATGCCCTGAGGTCTTCCCTGCTCTCCAGCATC
 TCTTTCTGCTCCAGAATAGCTTGGATGCCTTCTGCTCCAGGACGCTCCAGCATTTTCTCTGGCAGCT
 CCCCAACTTCAGTCTTGAAGGTATGGGGTGTGGAAGTAATCCAGACCCTGCCTCATCACTGGGCTG
 CCCAGCCTGCAGGAGCTAAAGCTGGAGTCTCTACAGTCCATCACCCAGCCCGCTCAGTACAGCTGGAGG
 AGCTGGTGGTGACCTTCCACAACCTCCAGGCGTTACAGCTGTCCAGCACAGGGCTCAAATCCCTGTCCGC
 TGCTGCTTTCCGGCGCCTGCACAGTCTCCAGGCCCTTAGTGTGGACAGTGAAGAAAGACTTGGTGTGCAG
 GACAGTCTGAGGGAGTACAGCCCTCAGATGCCCGCTATGTATACATTCTGCAGTCAAAGTTGGCCTGCC
 AGTGTGCTAATGCGTGGATGGAGCTGTGGGTAAAGCAGTCCACAAAACGTACGTACACATAAGAGACGG
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 CCCCAGACTTTGGAGCTGAAACTCTTTTGGCCAGTCTGCCTTGGTGTATTGCTAATTGTCTTGCCTC
 TCCTCAAAGGAGCCAGGAACACTTGGATCCCCTACCTCCGGGCCCTTGTTCAGGATTTGGCTCCAGGGTCT
 GAGGGGTCAAGGGAATGCGGGGAAGAGGTTCTTTTGTATGATTCGTGTCCCCTGCAGGCAAGACCAG
 GGCTGGGTGCTAGAGGAACCTTCTGCCTGCTCTGGAGGGCTTCTTCCAGCTGGCCTCGGCCACGCCTCT
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 GCCACTTCTTCTCCTGGCTGCCCGTCCCCTCCAGTGTGCTGCTGGTCTTCTGGAACCAATTTCCC
 GACACCAGCTCCCAGTTACCACAGACTGGCTCGGTTGCTTCGACGAGGAGACTACTGCCTGTGGCCTGA
 GGAGGAGAAAGAAAGGGTGGGTTCTGGACGTGGCTGAGGAGCAGGCTAGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214440 representing NM_001108682
 Red=Cloning site Green=Tags(s)

MGRSFLLPGLLLSLPLVTGWTPKCLVTEGSQPLVSRFYFLCHYSKLSFLAACFPVSNLTQTLEAVPRN
 VEGLCLSGSVSTLLPDAFSAFPGLKFLGLNLHLTRLLPGALRGLGQLRNL SFVDQPSGKNSLFLPPDAFG
 DLISLQRLHF CGPCLNKKAGVRLPSSLQWL SVTISCLQDSGELAGIFPDLVQNSSRASWTLKKLDLSLN
 QKLKMATPGSLQGLQVEILDRLKTDAGAVKGLGLQKLNVL YAPTATAELAAETA AHFELQGLNVDRSK
 IGNISQEALASCHSLETLSLSDTGLTKLPPGFLAAMPRLRRLNLAGNQLQSTMCMNETGDVSGLSTL DL
 SGNGLRILPPTAFSCLPHLRELLLQDNQLLSLEGHPFQDLQOLETLKLDNRNLLNLGKNCLAALPALTTL
 SLLDTQILHSPDAGFWGARSHTLHL SLPPLSAPAVLSLPMYLTSL ELHVTPLGKHWLSPNIFPFLET L
 TINGRGLKLG VQNA SEVFPALQHLFLLQNSLDAFCSQDASSIFLWQLPKLQSLK VWGAGSNRPCLITGL
 PSLQELKLESLSQITQPRSVQLEELVGDLPQLQALQLSSTGLKSL SAAAFRRLHSLQALVLDSEKDLVLQ
 DSLREYSPQMPRYVYILQSKLACQCANAWMELWVKQSTKTYVHIRDGHLCPGEVVRVPARDSLISFLWDHC
 PQTLELKLFLASSALVLLLVPLLQGARNTWIPYLRALFRIWLQGLRGQGNAGKRFLFDV FVSHCRQDQ
 GWVLEELLPALEGFLPAGLGLRLCLPERDFEPGKDVVDNVVDSMVSSRVTL CVL SGPALCNPRCCLELRL
 ATSLLLAAPSPVLLLVLEPISRHLQPSYHRLARLLRRGDYCLWPEEEERKGGFWT WLRSLRG

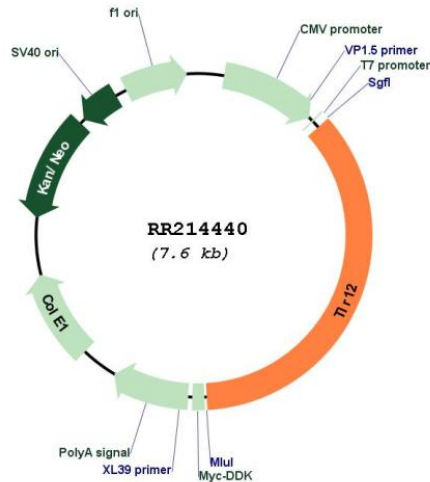
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108682

ORF Size: 2712 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_001108682.1](#), [NP_001102152.1](#)

RefSeq Size: 3006 bp

RefSeq ORF: 2715 bp

Locus ID: 362604

Cytogenetics: 5q36

MW: 99.4 kDa