

## Product datasheet for **RN212307**

### **Tlr4 (NM\_019178) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tlr4 (NM_019178) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tlr4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212307 representing NM\_019178  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCCTCTCTTGCATCTGGCTGGGACTCTGATCATGGCATTGTTCTTTCTGCCTGAGACCAGGAA  
 GCTTGAATCCCTGCATAGAGGACTTCCCTAATATTACCTACCAATGCATGGATCAGAATCTCAGCAAAT  
 CCCTCATGACATCCCTTATTCAACCAAGAACCCTAGATCTGAGCTTCAACCCCTGAAGATCTTAAGAAGC  
 TATAGCTTACCAATTTCTCACAACTTCAGTGGCTGGATTATCCAGGTGTGAAATTGAGACAATTGAAG  
 ACAAGGCATGGCATGGCTTAAACCAGCTCTCAACCTTGGTACTGACAGGAAACCCATCAAGAGTTTTTC  
 CCCAGGAAGTTTTCTGGACTAACAAATTTAGAGAATCTGGTGGCTGTGGAGACAAAAATGACCTCTCTA  
 GAGGGTTCCATATTGGACAGCTTATATCCTTAAAGAACTAAATGTGGCTCATAATCTTATACATTCTCT  
 TTAAGTTGGCTGAATATTTTTCTAATCTGACAAACCTAGAACATGTGGATCTTTCTTATAACTATATTCA  
 AACTATTTCTGTCAAAGACTTACAGTTTCTACGTGAAAATCCCAAGTCAATCTCTTTAGACCTGTCT  
 TTAACCCAATTGACTCCATTCAAGCCCAAGCCTTTCAGGGAATTAGGCTCCATGAATTGACTCTAAGAA  
 GTAATTTAATAGCTCAATGTACTGAAAATGTGCCTTCAAAACATGACTGGTTTACATGTCCATCGGTT  
 GATCTTGGGAGAAATTTAAAAATGAAAGGAATCTGGAAAGTTTTGACCGTTCTGTGCATGGAAGGACTATGC  
 AATGTGAGCATTGATGAGTTCAGGTTAACATATATAAATCATTTTTTCAGATGATATTTATAATCTCAATT  
 GCTTGGCAAATATTTCTGCAATGTCTTTCACAGGTGTACATATAAAACACATAGCAGATGTTCTTAGGCA  
 TTTCAAATGGCAATCCTTATCAATCATTAGATGTATCTTAAGCCTTTTCCAAAGCTGAGTCTACTTTTT  
 CTTAAAAGTTGGACTTTAACTACCAACAGAGAGGATATCAGCTTTGGTCAAGTGGCTCTGCCAAGTCTCA  
 GATATCTAGATCTTAGTAGAAAATGCCATGAGCTTTAGAGGTTGCTGTTCTTATTCTGATTTTGGAAACAA  
 CAACCTGAAGTACTTAGACCTCAGCTTCAATGGTGTATCCTGATGAGTGCCAACCTTCATGGGTCTAGAA  
 GAGCTGGAATACCTGGACTTTCAGCACTCCACTTTAAAAAAGGTCACAGAATTCTCAGTGTCTTATCTC  
 TTGAAAAACTTCTTTACCTTGACATCTTTACACTAATACCAAAATTTGACTTTGATGGCATAATTTCTTGG  
 CTTGATCAGTCTCAACACTTTAAAAATGGCTGGCAATTTTCAAAGACAACACCCTTTCAAATGTCTTT  
 ACAACACAACAACTTAACTTCTGGATCTTTCTAAATGCCAACTGGAACAGATATCTAGGGGGGTAT  
 TTGACACACTCTACAGACTCCAGTTATTAACATGAGTCAACAACCTACTGTTTCTGGATCCATCCCA  
 TTATAAACAGCTGTACTCCCTCAGGACTCTTGATTGCAGTTTCAATCGCATAGAGACATCCAAAGGAATA  
 CTGCAACATTTTCAAAGAGTCTAGCCGTCTTCAATCTGACTAATAATTCTGTTGCTTGTATATGTGAAT  
 ATCAGAATTTCTGCAAGTGGTCAAGGACCAGAAAATGTTCTTGGTGAATGTTGAACAAATGAAATGTGC  
 ATCACCTATAGACATGAAGGCCTCCCTGGTGTGGATTTACGAATTCACCTGTTATATATAACAAGACT  
 ATCATCAGTGTATCGGTGGTCAAGTGTGCTTGTGGTAGCCACTGTAGCATTCTGATATACCACTTCTATT  
 TTCACCTGATACTTATTGCTGGCTGTA AAAAGTACAGCAGAGGAGAAAGCATCTATGATGCATTTGTGAT  
 CTACTCGAGCCAGAATGAGGACTGGGTGAGAAACGAGCTGGTAAAGAATTTAGAAGAAGGAGTGCCCGC  
 TTTTCAGCTTTGCCTTATTACAGGGACTTTATTCCTGGTGTAGCCATTGCTGCCAACATCATCCAGGAAG  
 GCTTCCACAAGAGCCGGAAAGTTATTGTGGTGGTGTCTAGACACTTTATCCAGAGCCGTTGGTGTATCTT  
 TGAATATGAGATTGCTCAGACATGGCAGTTTCTGAGTAGCCGCTCTGGCATCATCTTCAATTCCTTGAG  
 AAAGTGGAGAAGTCTTGTCTGAGGCAGCAGGTGCAATTGTATCGCCTTCTTAGCAGAAACACCTACCTCG  
 AGTGGGAGGACAATGCTCTGGGGAGGCACATCTTCTGGAGAAGACTCAAAAAAGCCTGTTGGATGGAAA  
 AGCCTTGAATCCAGATGAAACATCAGAGGAAGAACAAGAAGCAACAACCTTTGACC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_019178  
**Insert Size:** 2508 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](mailto: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](#)

**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\\_019178.1](#), [NP\\_062051.1](#)

**RefSeq Size:** 3373 bp

**RefSeq ORF:** 2508 bp

**Locus ID:** 29260

**UniProt ID:** [Q9QX05](#)

**Cytogenetics:** 5q24

**Gene Summary:** receptor that functions as the major upstream sensor for hemorrhagic shock and lipopolysaccharide [RGD, Feb 2006]