

Product datasheet for **MC222323**

Tlr5 (NM_016928) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr5 (NM_016928) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tlr5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222323 representing NM_016928
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCTGAGTCCCCACGCACCACACTTCAGCAGGATCATGGCATGTCAACTTGACTTGCTCATAG
 GTGTGATCTTCATGGCCAGCCCCGTGTTGGTAATATCTCCCTGTTCTTCAGACGGCAGGATAGCCTTTTT
 CCGAGGCTGTAACCTCACCCAGATTCCCTGGATCCTCAATACTACCACTGAGAGGCTCCTGCTCAGCTTC
 AACTATATCAGTATGGTGGTTGCCACATCATTTCCACTCCTGGAGCGGCTCCAGTTGCTGGAGCTGGGA
 CCCAGTATGCTAACTTGACCATTGGTCCAGGGCTTTCAGAACTGCCCAATCTTAGGATCTTGACTT
 GGGCCAAAGCCAGATCGAAGTCTTGAATCGAGATGCCTTCAAGGTCTGCCCATCTCTTGGAACTCGG
 CTGTTTTCTGTGACTCTCCAGTGTGTTAAGTGACGGTTACTTCAGAAATCTATATTCATTAGCTC
 GCTTAGACCTATCTGGCAACCAGATTCACAGCCTCCGCCTCATTCTTCATTCCGGGAAGTGAATTCCTT
 AAGCGACGTAAATTTTGGCTTCAACCAATATTCATATATGTGAAGATGAACTCGAGCCTTCAGGGC
 AAAACTGTCTTTCTTTGGCCTCAAATTAAGCTGTTTCAGCAGAGTCTCTGTGGGCTGGGAGACAT
 GCAGGAACCCCTTCAGAGGCGTGAGGCTAGAACTCTAGATCTTTCTGAAAATGGCTGGACGGTGGACAT
 CACAAGGAACTTCAGCAACATCATCCAGGGAAGCCAGATTTCTCTTTGATTCTTAAACACCACATCATG
 GGTCTGGCTTTGGCTTCAGAACATCAGAGATCCTGACCAGAGCACATTTGCCAGCCTGGCCAGAAGTT
 CGGTGCTGCAACTGGACCTTCGCACGGCTTATCTTCTCCTTGAATCCTCGACTGTTGGGACTGAA
 GGATTTGAAGATGCTGAACCTTGCTTCAACAAGATAACAAGATTGGAGAGAATGCCTTTATGGGCTT
 GACAGCTCCAGGTTCTCAATCTATCTATAATCTTTGGGGAACTCTATAATCCAACCTCTATGGGC
 TTCCTAGAGTAGCCTACGTTGACCTTCAAAGGAACCACATTTGGGATCATTCAAGACCAACACTCAGATT
 ATTA AAAACGTTACAAACCTTAGATCTCCGTGACAATGCTCTTAAGGCCATTGGTTTTATTCCAAGCATA
 CAGATGGTCTCCTGGGAGGCAATAAGCTGGTCCATTTGCCACACATCCACTTTACTGCCAACTCCTAG
 AGTTATCTGAAAACAGGCTAGAAAACCTGTCCGACCTCTACTTCTCCTGCGAGTCCCCAGCTCCAGTT
 TCTCATCTTGAATCAGAATCGCCTTTCTCATGCAAGGCAGCCACACTCCCTCGGAGAACCCAAGCTTA
 GAACAGCTTTTCTTACAGAGAATATGCTGCAGCTGGCTGGGAGACCGGCTCTGTTGGGATGTTTTTC
 AAGGCCTTTCCGCTCCAGATTTTACCTGAGTAATAACTACCTTAATTTCTTCCACCTGGGATATT
 TAACGACCTGGTGCATTACGGATGCTTAGTCTTAGTGCTAACAAGCTGACCGTGTCTCTCCGGGCAGT
 TTACCTGCTAATTTAGAGATTCTCGACATATCTAGAAATCAGCTTTTCTCCTGACCCTGCTTTGTTTT
 CTTGCTTCTGTGTTTTGGACATAACTCATAACGAGTTCGCTGCAACTGTGAACTTAGCACTTTTATCTC
 CTGGCTCAACCAACCAACGTCACCCTGTTCCGGCTCTCCTGCAGACGTGATTGCATGTACCCTAACTCA
 CTGCTAGGGGGCTCCCTCTACAACATATCCACCGAAGACTGCGATGAAGAGGAAGCCATGCGGTCCCTAA
 AGTTTTCCCTTTTCATCTGTGCACGGTCACTTTGACTCTATTCTCCTGTCATCACCTTGATGCATAAA
 GTTCCGGGGAATCTGTTTCTGTGCTATAAGACCATCCAGAAGCTGGTGTTCAGGACAAGGTCTGGAGT
 TTGGAACCTGGTGCATATAGATATGATGCCTACTTCTGCTTCAGCAGCAAAGACTTTGAATGGGCACAGA
 ATGCTTTGCTCAAACACCTGGATGCTCACTACAGTTCGCGAAACAGGCTCAGGCTATGCTTTGAAGAAAG
 AGACTTCATTCCAGGGGAAAACCATATCTCCAACATCCAGGCGGCTGTCTGGGGCAGCAGGAAGACGGTG
 TGTCTAGTGAGCAGACACTTCTGAAGGATGGTTGGTGCCTGGAGGCCTTCAGGTATGCCAGAGCCGGA
 GTCTGTCTGATCTCAAGAGCATTCTCATCGTGGTGGTGGGATCGCTGTCCCAGTATCAGCTGATGAG
 ACATGAGACCATCAGAGGTTTCTGCAAAAGCAACAGTACTTGAGGTGGCCTGAAGACCTCCAGGATGTT
 GGCTGTTTTCTCGATAAACTCTCCGGATGCATTCTAAAGGAAGAAAAGGAAAAGAAAAGAAGCAGTTCCA
 TCCAGTTGCGAACCATAGCAACCATTTCC**TAG**

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1946_a03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_016928

Insert Size:	2622 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_016928.2 , NP_058624.2
RefSeq Size:	3211 bp
RefSeq ORF:	2622 bp
Locus ID:	53791
UniProt ID:	Q9JLF7
Cytogenetics:	1 86.12 cM
Gene Summary:	<p>Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response. Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident microbiota. Upon ligand binding such as bacterial flagellins, recruits intracellular adapter proteins MYD88 and TRIF leading to NF-kappa-B activation, cytokine secretion and induction of the inflammatory response. Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life.[UniProtKB/Swiss-Prot Function]</p>