

Product datasheet for **MC222546**

Tlr3 (NM_126166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr3 (NM_126166) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tlr3
Synonyms:	AI957183
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222546 representing NM_126166
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGGGTGTCTCTTATCTAATGTACTCCTTTGGGGGACTTTTGTCCCTATGGATTCTTCTGGTGT
 CTTCACAAACCAATGCACTGTGAGATACAACGTAGCTGACTGCAGCCATTTGAAGCTAACACACATACC
 TGATGATCTTCCCTCTAACATAACAGTGTGAATCTTACTCACAAACCACTCAGAAGATTACCACCTACC
 AACTTTACAAGATACAGCCAACCTGCTATCTTGGATGCAGGATTTAACTCCATTTCAAACTGGAGCCAG
 AACTGTGCCAAATACTCCCTTTGTTGAAAGATTGAACCTGCAACATAATGAGCTCTCAGATTCTGA
 TCAAACCTTTGTCTTCTGCACGAACCTGACAGAAGCTCGATCTAATGTCTAACTCAATACAAAAATAAA
 AGCAACCCCTTTCAAAAACCAGAAGATCTAATCAAATTAGATTTGTCTCATAATGGTTTATCATCTACAA
 AGTTGGGAACGGGGTCCAACCTGGAGAAGCTCCAAGAAGTCTTAGCAAAAAATAAAATCCTTGGCTT
 GCGAAGTGAAGAACTTGAGTTTCTTGGCAATTCTCTTTACGAAAGTTGGACTTGCATCAAATCCACTT
 AAAGAGTTCTCCCGGGGTGTTCCAGACAATTGGCAAGTTATTGCGCCCTCTCTTGAACACGCCCAAC
 TGAACCCCACTCACAGAGAAGCTTGTCTGGGAACCTTCAAACACAAGCATCCAGAATCTCTCTTGGC
 TAACAACCAGCTGCTGGCCACCAGCGAGAGCACTTTCTCTGGGCTGAAGTGGACAAATCTCACCCAGCTC
 GATCTTCTTCTACAACAACCTCCATGATGTCTGGCAACGGTTCCTTCTCCTATCTCCCAAGCCTGAGGTATC
 TGTCTCTGGAGTACAACAATATACAGCGTCTGTCCCTCGCTCTTTTATGGACTCTCAAACCTGAGGTA
 CCTGAGTTTGAAGCGAGCATTTACTAAGCAAAGTGTTCACTTGTTCACATCCCAACATTGACGATTTT
 TCCTTTCAATGGTTAAAATATTTGGAATATCTCAACATGGATGACAATAATTTCCAAGTACCAAAAAGCA
 ATACCTTCACGGGATTGGTGAAGTCTGAAGTACCTAAGTCTTTCCAAAACCTTTCACAAGTTGCAAACCTT
 AACAAATGAAACATTTGTGTCCTTGTCTATTCTCCCTTGTCTCACTCAACTTAACGAAAAATCACATC
 TCAAAAATAGCAAATGGTACTTTCTCTTGGTTAGGCCAACTCAGGATACTTGATCTCGGCCTTAATGAAA
 TTGAACAAAAACTCAGCGGCCAGGAATGGAGAGGTCTGAGAAATATATTTGAGATCTACCTATCTATAA
 CAAATACCTCAAAGTGTCTACCAGTTCCTTGTGATTGGTCCCGCCTTCAAAGACTGATGCTCAGGAGG
 GTGGCCCTTAAAATGTGGATATCTCCCTTACCTTTCCGCCCTTTCGTAACCTGACCATTCTGGACT
 TAAGCAACAACAACATAGCCAACATAAATGAGGACTTGTGGAGGGTCTGAGAATCTAGAAATCCTGGA
 TTTTCAGCACAACTAGCCAGGCTCTGAAACCGCAAAACCCGGTGGTCCCGTTAATTTCTGAAG
 GGGCTGTCTCACCTCCACATCTGAATTTAGAGTCCAACGGCTTAGATGAAATCCAGTCCGGGTTTTCA
 AGAACTTATTCGAACTAAAGAGCATCAATCTAGGACTGAATAACTTAAACAACTTGAACCATTCATTTT
 TGATGACCAGACATCTCTAAGGTCACTGAACCTCCAGAAGAACCTCATAACATCTGTTGAGAAGGATGTT
 TTCGGGCCCTTTTCAAACCTGAACAGTTTGTAGATATGCGCTTCAATCCGTTTCCGACTGCAGGTGTA
 GTATTTCTGGTTTGTAACTGGATCAACCAGACCCACACTAATATCTCTGAGCTGTCCACTCACTACCT
 CTGTAACACTCCACATCATTATTTAGGCTTCCCTTGAAGCTTTTCGATACATCCTGTAAAGACAGC
 GCCCTTTGAACTCCTTCTAATCAGCACCAGTATGCTCCTGGTTTTTACTTGTGGTACTGCTCA
 TTCACATCGAGGGCTGGAGGATCTTTTTACTGGAATGTTTCAGTGCATCGGATTTTGGTTTCAAGGA
 AATAGACACACAGGCTGAGCAGTTTGAATATACAGCCTACATAATTCATGCCATAAAGACAGAGACTGG
 GTCTGGGAACATTTCTCCCAATGGAAGAACAAGACCAATCTCTCAAATTTTGCCTAGAAGAAAGGGACT
 TTGAAGCAGGCGTCTTGGACTTGAAGCAATTGTTAATAGCATCAAAAAGCCGAAAAATCATTTTCGT
 TATCACACACCATTTATTTAAAGACCCTCTGTGCAGAAGATTCAAGGTACATCACGCAGTTCAGCAAGCT
 ATTGAGCAAAATCTGGATTCAATTATACTGATTTTTCTCCAGAATATTCCAGATTATAAACTAAACCATG
 CACTCTGTTTGGGAAGAGGAATGTTAAATCTCATTGCATCTTGAAGTGGCCAGTTCAGAAAAGACGGAT
 AAATGCCTTTCATCAAATGCAAGTAGCACTGGATCTCGGAATTCAGCACAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_126166

Insert Size:	2718 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_126166.4 , NP_569054.2
RefSeq Size:	4327 bp
RefSeq ORF:	2718 bp
Locus ID:	142980
UniProt ID:	Q99MB1
Cytogenetics:	8 B1.1
Gene Summary:	<p>Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via the adapter TRIF/TICAM1, leading to NF-kappa-B activation, IRF3 nuclear translocation, cytokine secretion and the inflammatory response (By similarity). [UniProtKB/Swiss-Prot Function]</p>