

Product datasheet for MC223290

Tlr8 (NM_133212) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr8 (NM_133212) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tlr8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223290 representing NM_133212 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAACATGCCCCCTCAGTCATGGATTCTGACGTGCTTTTGTCTGCTGTCTCTGGAACCACTGCCA
TCTTCCATAAAGCGAATTCCAGAAGCTATCCTTGTGACGAGATAAGGCACAACCTCCCTGTGATTGC
AGAATGCAACCATCGTCAACTGCATGAAGTTCCCAAACCTATAGGCAAGTATGTGACAAACATAGACTTG
TCAGACAATGCCATTACACATATAACGAAAGAGTCCTTTCAAAGCTGCAAAACCTCACTAAAATCGATC
TGAAACCACAATGCCAAACAACAGCACCCAAATGAAAATAAAAATGGTATGAATATTACAGAGGGGCACT
TCTCAGCCTAAGAAATCTAACAGTTTTACTGCTGGAAGACAACCAGTTATATACTATACCTGCTGGGTTG
CCTGAGTCTTTGAAAGAAGCTTAGCCTAATTCAAAACAATATATTCAGGTAACAAAAACAACACTTTTG
GGCTTAGGAAGCTGAAAGACTCTATTTGGGCTGGAAGTCTATTTTAAATGTAATCAAACCTTTAAGGT
AGAAGATGGGGCATTAAAAATCTTATACACTGAAGTACTCTCATTATCTTTCAATAACCTTTTCTAT
GTGCCCCCAAACCTACCAAGTTCTTAAGGAACTTTTTCTGAGTAATGCCAAAATCATGAACATCACTC
AGGAAGACTTCAAAGACTGGAAAATTTAACATTACTAGATCTGAGTGGAACTGTCCAAGTGTACAA
TGCTCCATTTCTTGACACCTTGCAAGGAAAACCTCATCCATCCACATACATCCTCTGGCTTTTCAAAGT
CTCACCCAACTTCTATCTAAACCTTTCCAGCACTTCCCTCAGGACGATTCTTCTACCTGGTTTGAAA
ATCTGTCAAACTGAAGGAACTCCATCTTGAATCAACTATTTAGTTCAAGAAATGGCTCGGGGCATT
TTTAAACAAAACCTACCCAGTTTACAAATCCTTGATTTGCTCTCAACTTTCAATATAAGGAATATTTACAA
TTTATTAATATTTCTCAAAATTTCTAAGCTTCGTTCTCTCAAGAAAGTGCCTTAAGAGGCTATGTGT
TCCGAGAAGCTTAAAAAGAAGCATTTCGAGCATCTCCAGAGTCTTCAAACCTGGCAACCATCAACTGGG
CATTAACTTTATTGAGAAAATGATTTCAAAGCTTTCCAGAATTTTCAAACCTCGACGTTATCTATTTA
TCAGGAAATCGCATAGCATCTGTATTAGATGGTACAGATTATTCCTCTTGGCGAAATCGTCTCGGAAAC
CTCTCTCAACAGACGATGATGAGTTTGATCCACACGTGAATTTTTACCATAGCACCAAACCTTTAATAAA
GCCACAGTGTACTGCTTATGGCAAGGCCTTGATTTAAGTTTGAACAATATTTTCAATATTGGGAAAAGC
CAATTTGAAGTTTTCAGGATATCGCCTGCTTAAATCTGTCTTCAATGCCAATACTCAAGTGTTTAATG
GCACAGAATTCCTCCATGCCCCACATTAATATTTGGATTTAACCAACAACAGACTAGACTTTGATGA
TAACAATGCTTTCAGTGATCTTCAGATCTAGAAGTGCTGGACCTGAGCCACAATGCACACTATTTCACT



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ATAGCAGGGGTAACGCACCGTCTAGGATTTATCCAGAACTTAATAAACCTCAGGGTGTAAACCTGAGCC
ACAATGGCATTACACCCCTCACAGAGGAAAGTGAGCTGAAAAGCATCTCACTGAAAGAATTGGTTTTTCAG
TGGAAATCGTCTTGACCGTTTGTGGAATGCAAATGATGGCAAATACTGGTCCATTTTTAAAGTCTCCAG
AATTTGATACGCCTGGACTTATCATACAATAACCTTCAACAAATCCCAATGGAGCATTCTCAATTTGC
CTCAGAGCCTCCAAGAGTTACTTATCAGTGGTAACAAATTACGTTTCTTTAATTGGACATTACTCCAGTA
TTTTCTCACCTTCACTTGCTGGATTTATCGAGAAATGAGCTGTATTTCTACCCAATTGCCTATCTAAG
TTTGCACATTCCCTGGAGACACTGCTACTGAGCCATAATCATTTCTCTCACCTACCCTCGGCTTCTCT
CCGAAGCCAGGAATCTGGTGCACCTGGATCTAAGTTTCAACACAATAAAGATGATCAATAAATCCTCCCT
GCAAACCAAGATGAAAACGAACTTGTCTATTCTGGAGCTACATGGGAACTATTTTACTGCACGTGTGAC
ATAAGTGATTTTGAAGCTGGCTAGATGAAAATCTGAATATCACAATTCCTAAATGGTAAATGTTATAT
GTTCCAATCCTGGGGATCAAAAATCAAAGAGTATCATGAGCCTAGATCTCAGACTTGTGTATCGGATAC
CACTGCAGCTGTCCTGTTTTCTCACATTCTTACCACCTCCATGGTTATGTTGGCTGCTCTGGTTTAC
CACCTGTTTTACTGGGATGTTTGGTTTATCTATCACATGTCTGCTAAGTTAAAAGGCTACAGGACTT
CATCCACATCCCAAATTTCTATGATGCTTATTTCTTATGACACCAAAGATGCATCTGTTACTGACTG
GGTAATCAATGAACTGCGCTACCACCTGAAGAGAGTGAAGACAAAAGTGCCTCCTTTGTTTAGAGGAG
AGGGATTGGGATCCAGGATTACCATCATTGATAACCTCATGCAGAGCATAAACCAGAGCAAGAAAACAA
TCTTTGTTTTAACCAAGAAATATGCCAAGAGCTGGAACCTTAAAACAGCTTTCTACTTGGCCTTGACAG
GCTAATGGATGAGAACATGGATGTGATTATTTTCATCCTCCTGGAACAGTGTACAGTACTCACAGTAC
CTGAGGCTTCGGCAGAGGATCTGTAAGAGCTCCATCCTCCAGTGGCCCAACAATCCCAAAGCAGAAAAT
TGTTTTGGCAAAGTCTGAAAATGTGGTCTTACTGAAAATGATTCACGGTATGACGATTTGTACATTGA
TTCCATTAGGCAATACTAG

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_133212

Insert Size:

3099 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 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_133212.3](#), [NP_573475.2](#)

RefSeq Size: 5047 bp

RefSeq ORF: 3099 bp

Locus ID: 170744

UniProt ID: [P58682](#)

Cytogenetics: X F5

Gene Summary: 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. Acts via MYD88 and TRAF6, leading to NF-kappa-B. activation, cytokine secretion and the inflammatory response (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.