

Product datasheet for **MC223016**

Tlr13 (NM_205820) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr13 (NM_205820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tlr13
Synonyms:	Al666735; Gm713
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223016 representing NM_205820 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTGGGCTCTACAGGATCCTGGTCCAGCTGGAACAAAGTCCATATGTGAAGACCGTGCCTTTGAACA
TGAGAAGGGATTTTTTTTCTGGTTGTAACCTGGATGCCTAAGACAGTCAAGATGAATGGGAGCAGCTT
TGTGCCATCTCTACAGCTCCTGCTCATGTTAGTAGGATTTCTCTGCCGCTGTGGCAGAGACATATGGG
TTCAACAAGTGCACACAGTATGAATTTGATATACCATGTGCTCTGCATTAGGAAGAAGATCACCAACT
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CCTCCCTCCCTGGAGTTTTACCAATCTGTCTGCTCTGGTGGACTTGAGACTAGAGTGGAACTCAATTTGG
AAGATCGACGAAGGTGCCTTTAGGGGACTTGAAAATTTGACTCTGCTGAATTTAGTGAAAATAAGATTC
AAAGTGTGAATAACTCCTTTGAGGGCCTGTCCAGCCTGAAGACCCTGCTCCTGAGCCATAATCAGATTAC
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AGCGATTTTTCTGGTATCTTTGAAGCAGTCCAGCATCTCCATGCCTGGAGCGCCTTGATCTAACTAACA
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CAAATAAGGGAGTTAACTTCTCTGCTTTGTCATTACCTAACTTAACCAATCTAAGTGCTTCCCGGAAT
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TTTCAAACCTTAGAGGTCTTAGATCTTGGAGACAACAATATTCGGACTCTCAACCACGGAACCTCCGAC



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GAGAAAGAAAATACACATCTAATTGTTGTTGAGTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: Sgfl-Mlul

ACCN: NM_205820

Insert Size: 2976 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_205820.1](#), [NP_991389.1](#)

RefSeq Size: 4014 bp

RefSeq ORF: 2976 bp

Locus ID: 279572

UniProt ID: Q6R5N8

Cytogenetics: X D

Gene Summary: Component of innate and adaptive immunity that recognizes and binds 23S rRNA from bacteria. 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. Specifically binds the 5'-CGGAAAGACC-3' sequence on bacterial 23S rRNA, a sequence also bound by MLS group antibiotics (including erythromycin). May also recognize vesicular stomatitis virus; however, these data require additional evidences.[UniProtKB/Swiss-Prot Function]