

Product datasheet for **MR231159**

Tlr1 (NM_001276445) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr1 (NM_001276445) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR231159 representing NM_001276445
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTAAACCAATTCCTCATCTTCTACTGTATCATTGTTTTAGGACTGACACTTATGAAAATCCAAT
 TATCTGAGGAATGTGAGCTTATCATAAAGAGGCCAAACGCAAACCTTACCAGAGTGCCCAAGGACCTACC
 CTTGCAAACAACACTTTAGATCTATCAGAAAACAATATATCTGAGCTTCAGACTTCTGACATCCTCTCA
 TTGTCCAAGCTGAGGGTCTGATAATGTCTACAACAGACTCCAGTATCTTAATATCAGTGTTCCTCAAAT
 TCAACACAGAGCTGGAATATTTGGATTTGTCCACAATGAGCTAAAGGTGATCTTGTGCCACCAACAGT
 CAGCCTCAAGCATTGGACCTCTCTTTAATGCCTTTGATGCCCTGCCTATATGCAAAGAATTTGGCAAC
 ATGTCCCAACTACAGTTCCTGGGTTGAGCGTTCTCGGGTACAAAGTCAAGTGTGAGCTGATTGCTC
 ATTTGAACATCAGTAAGTTTTGCTGGTGTAGGAGATGCTTATGGGAAAAAGAAGACCCCGAATCTCT
 TCGGCACGTTAGCACTGAGACTCTGCATATTGTTTTCCCGTCGAAAAGAGAATTCGGTTTTCTTCTGGAT
 GTGTCCGTGAGCACTACGATCGGTTTGGAACTGTCTAACATCAAGTGTGTGCTTGAAGACCAGGGCTGCT
 CTTATTTCTTACGTGCTTTGTCAAAGCTTGAAAAGAATCTGAAGCTCTCAAATCTTACCCTGAACATGT
 GGAAACAACGTGGAAATTCCTTCAATAATCCTCCAGATAGTTTGGCATAACGACGTCAAATATTTCTCA
 ATTTCAAATGTGAAGCTACAAGTCAACTTGCCTTCCAGATGTTCAATTATTCTGACACTTCTCTGAAGG
 CTTTGTGATACATCAAGTTGCACTGATGTCTCAGCTTCCCCAAAGTTACATATACAGTATCTTTGTC
 CAATATGAACATCCAAAACCTTTACAATGTCTGGAACACACATGGTCCACATGCTGTGCCCGTCCCAAGT
 AGCCCATTTCTGCATGTGGACTTTACAGATAACCTTTAACAGACATGGTTTTTAAAGACTGTAGAACT
 TAGTTAGATTGAAAACACTTAGTTTACAAAAGAATCAGTTAAAAACCTTGAGAATATAATCCTCACATC
 TGCAAAGATGACATCCCTACAAAACACTAGACATTAGCCAGAATCTCTAAGGTACAGCGATGGGGGAATC
 CCATGCGCCTGGACCCAGAGTTTGTAGTTTTAAATTTGTCTTGAATATGCTTACAGGCTCTGTCTTCA
 GATGCTTACCTCCCAAAGTCAAGGTCTTGACCTTCAACAACAGGATAATGAGCATCCCTAAAGATGT
 CACCCACCTGCAGGCTTTGCAGGAACCAATGTAGCATCCAACCTCTTAACTGACCTTCTGGGTGCGGG
 GCCTTACGAGCCTTTCTGTGCTGGTCTCGACCATAACTCAGTTTCCCATCCCTCTGAGGATTTCTTCC
 AGAGCTGTCAGAATATTAGATCCCTAACAGCGGGAAACAACCCATTCCAATGCACATGTGAGCTGAGGGA
 CTTTGTCAAGAACATAGGCTGGTAGCAAGAGAAGTGGTGGAGGGCTGGCCTGACTTTACAGGTGTGAC
 TACCCAGAAAGCTTAGGGGAACCTGCAGTGGGACTTCCACATGTCTCCACTATCTGTGATACTGTTT
 TGCTGACTGTACCATCGGGGCCACTATGCTGGTGTGGCTGTACTGGGGCTTCTCTGTCTCTACTT
 TGACCTGCCCTGGTATGTGAGGATGCTGTGTGACAGTGGACACAGACCAGGCACAGGGCCAGGCACATCCCC
 TTAGAGGAACTCCAGAGAAACCTCCAGTCCATGCTTTTGTCTCATACAGTGGGCATGATTTGCCTGGG
 TGAAGAACGAATTACTACCCAACCTAGAGAAAGATGACATCCAGATTTGCCTCCATGAGAGGAACTTTGT
 CCCTGGCAAGAGCATTGTGGAGAACATCATCAATTTATTGAGAAGAGTTACAAGTCCATCTTTGTGCTG
 TCTCCCACTTCCATCCAGAGTGAAGTGGTGTCTTATGAACTCTATTTGCCCATCACAATCTCTTCCATG
 AAGGCTCTGATAACTTAATCCTCATCTTGTGCTGGACCCATTCCCCAGTACTCCATCCCTACCAATTACCA
 CAAGCTCAAAACTCTCATGTACGAAGGACCTATCTGGAATGGCCACAGAGAAGAACAAGCATGGACTT
 TTTTGGGCAAACTAAGAGCATCCATTAATGTTAAGCTGGTTAACCCAGGCAGAAGGAACGTGTTACACAC
 AGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_001276445.1](#), [NP_001263374.1](#)

RefSeq Size: 3021 bp

RefSeq ORF: 2388 bp

Locus ID: 21897

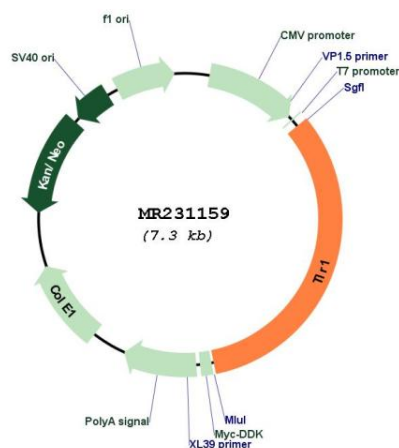
UniProt ID: [Q9EPQ1](#)

Cytogenetics: 5 33.53 cM

MW: 90.7 kDa

Gene Summary: Participates in the innate immune response to microbial agents. Specifically recognizes diacylated and triacylated lipopeptides. Cooperates with TLR2 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Forms the activation cluster TLR2:TLR1:CD14 in response to triacylated lipopeptides, this cluster triggers signaling from the cell surface and subsequently is targeted to the Golgi in a lipid-raft dependent pathway. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (By similarity). Acts as a coreceptor for M.tuberculosis lipoproteins LprG, LpqH and PhoS1 (pstS1), in conjunction with TLR2 and for some but not all lipoproteins CD14 and/or CD36. The lipoproteins act as agonists to modulate antigen presenting cell functions in response to the pathogen (PubMed:19362712).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231159