

Product datasheet for **RC215218**

TLR1 (NM_003263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLR1 (NM_003263) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLR1
Synonyms:	CD281; rsc786; TIL; TIL. LPRS5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC215218 representing NM_003263
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTAGCATCTTCCATTTTCCATTATCTTCATGTTAATACTTCAGATCAGAATACAATTATCTGAAG
AAAGTGAATTTTATGTTGATAGGTCAAAAACGGTCTCATCCACGTTCTAAAGACCTATCCAGAAAAAC
AACAACTTAAATATATCGCAAAATTATATCTGAGCTTTGGACTTCTGACATCTTACTCTGTCAAAA
CTGAGGATTTTGATAATTTCTCATAATAGAATCCAGTATCTTGATATCAGTGTCTTCAAATCAACCAGG
AATTGGAATACTTGGATTGTCCACAACAAGTTGGTGAAGATTCTTGGCACCTACTGTGAACCTCAA
GCACTTGGACCTGTCATTTAATGCATTTGATGCCCTGCCTATATGCAAAGAGTTTGGCAATATGTCTCAA
CTAAAAATTTCTGGGGTTGAGCACCACACTTAGAAAAATCTAGTGTGCTGCCAATTGTCTATTTGAATA
TCAGCAAGGTCTTGTGGTCTTAGGAGAGACTTATGGGGAAAAAGAAGACCCTGAGGGCCTTCAAGACTT
TAACACTGAGAGTCTGCACATTGTGTTCCCAACAACAAGAATCCATTTTATTTGGATGTGTCAGTC
AAGACTGTAGCAATCTGGAATCTAATATCAAATGTGTGCTAGAAGATAACAATGTTCTTACTTCC
TAAGTATTCTGGCGAAACTTCAAACAAATCCAAAGTTATCAAATCTTACCTTAAACAACATTGAAACAAC
TTGGAATCTTTTATTAGGATCCTCCAGCTGGTTTGGCATACTGATGGTATTTCTCAATTTCAAAC
GTGAAGCTACAGGGTCAGCTGGACTTCAGAGATTTTGATTATTCTGGCACTTCTTGAAGGCCTTGTCTA
TACACCAAGTTGTGACGATGTGTTCCGTTTTCCGCAAAGTTATATCTATGAAATCTTTTCGAATATGAA
CATCAAAAATTTACAGTGTCTGGTACACGCATGGTCCACATGCTTTGCCATCCAAAATAGCCCGTTC
CTGCATTTGGATTTTCCAATAATCTCTAACAGACACGGTTTTGAAAAATGTGGGCACCTTACTGAGT
TGGAGACACTTATTTTCAAATGAATCAATTAAGAAGACTTTCAAATAAGCTGAAATGACTACACAGAT
GAAGTCTCTGCAACAATTGGATATTAGCCAGAATTCTGTAAGCTATGATGAAAAGAAAGGAGACTGTTCT
TGGACTAAAAGTTTATTAAGTTTAAATATGTCTTCAAATATACTTACTGACACTATTTTTCAGATGTTTAC
CTCCCAGGATCAAGTACTTGTCTTACAGCAATAAAAATAAAGAGCATTCTAAACAAGTCGTAAGAACT
GGAAGCTTTGCAAGAACTCAATGTTGCTTTCAATCTTTAACTGACCTTCTGGATGTGGCAGCTTAGC
AGCCTTTCTGATTGATCATTGATCACAATTCAGTTTCCACCCATCGGCTGATTTCTTCCAGAGCTGCC
AGAAGATGAGGTCAATAAAAAGCAGGGGACAATCCATTCATGTACCTGTGAGCTAGGAGAAATTTGTCAA
AAATATAGACCAAGTATCAAGTGAAGTGTAGAGGGCTGGCTGATTCTTATAAGTGTGACTACCCGGAA
AGTTATAGAGGAACCTACTAAAGGACTTTCACATGTCTGAATTATCCTGCAACATAACTCTGCTGATCG
TCACCATCGTTGCCACCATGCTGGTGTGGCTGTGACTGTGACCTCCCTCTGCAGCTACTGGATCTGCC
CTGGTATCTCAGGATGGTGTGCCAGTGGACCCAGACCCGGCGCAGGGCCAGGAACATACCCTTAGAAGAA
CTCCAAAGAAATCTCCAGTTTATGCAATTTATTTATATAGTGGGCACGATTTCTTCTGGGTGAAGAATG
AATTATTGCCAAACCTAGAGAAAGAAGGTATGCAGATTTGCCTTCATGAGAGAACTTTGTTCTGGCAA
GAGCATTGTGGAAAAATATCATCACCTGCATTGAGAAGAGTTACAAGTCCATCTTTGTTTTGTCTCCCAAC
TTTGTCCAGAGTGAATGGTGCCATTATGAACTCTACTTTGCCATCACAATCTCTTTTATGAAGGATCTA
ATAGCTTAATCCTGATCTTGTGGAACCCATTCTCAGTACTCCATTCTAGCAGTTATCACAAGCTCAA
AAGTCTCATGGCCAGGAGACTTATTTGGAATGGCCAAAGAAAAAGCAAAACGTGGCCTTTTTTGGGCT
AACTTAAGGGCAGCCATTAATATTAAGCTGACAGAGCAAGCAAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215218 representing NM_003263
Red=Cloning site Green=Tags(s)

MTSIFHFAIIFMLILQIRIQLSESEFLVDRSKNGLIHVPKDL SQKTTILNISQNYISELWTS DILSLSK
LRILIIISHNRIQYLDISVFKFNQELEYLDL SHNKLVKISCHPTVNLKHLDSL FNAFDALPICKEFGNMSQ
LKFLGLSTHLEKSSVLP IAHLNISKVLLVLGETYGEKEDPEGLQDFNTESLHIVFPTNKEFHFI LDVSV
KTVANLELSNIKCVLEDNKCSYFLSILAKLQTNPKLSNL TLNNIETTWSNFIRILQLVWHTTVWYFSISN
VKLQGGQLDFRDFDYSGLKALS IHQVVSDFVGFQSYIYEI FSNMNIKNFVSGTRMVHMLCPSKISPF
LHLDFSNNLLTDTVFENCGHLTELETL ILQMNQLKELSKIAEMTTQMKS LQQLDISQNSVSYDEKKGDCS
WTKSLLSLNMSSNILTDTIFRCLPPRIKVL DLHSNKIKSIPKQVVKLEALQELNVAFNSL TDLPGCGSFS
SLSVLIIDHNSVSHPSADFFQSCQKMRSIKAGDNPFQCTCELG EFKVKNIDQVSSEVLEGW PDSYKCDYPE
SYRGTLLKDFHMESELSCNITLLIVTIVATMLVLAVTVTSLCSYLDL PWYLRMVCQWTQTRRRARNIPLEE
LQRNLQFHAFISYSGHDSFWVKNELLPNLEKEGMQICLHERNFVPGKS IVENIITCIEKSYKSIFVLS PN
FVQSEWCHYELYFAHHNLFHEGSNSLILILLEPIPOYSIPSSYHKLKSLMARRTYLEWPKEKSKRGLFWA
NLRAAINIKLTEQAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6165_b03.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_003263

ORF Size: 2358 bp

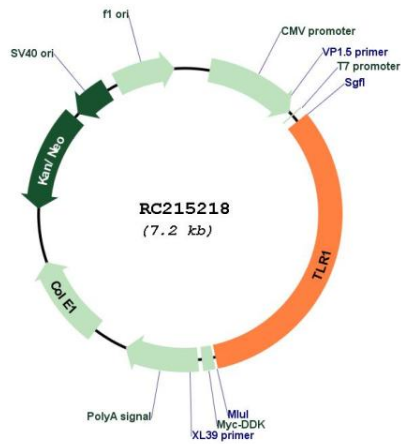
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003263.4
RefSeq Size:	2867 bp
RefSeq ORF:	2361 bp
Locus ID:	7096
UniProt ID:	Q15399
Cytogenetics:	4p14
Domains:	TIR, LRRCT, LRR, LRR_TYP
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Toll-like receptor signaling pathway
MW:	90.1 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC215218