

Product datasheet for **RR204786**

Tlr7 (NM_001097582) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr7 (NM_001097582) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlr7
Synonyms:	RGD1563357
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204786 representing NM_001097582 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTATTTCCAATGTGGACATTGAAGAGACAAAGTTTTATCTTTTTAAATATGATCTTAGTTTCTAGAG
TCCTTGGGTTTCGATGGTATCCTAAAACCTACCTTGTGATGTCTCTCGATAGCACAAACACCCATGT
GATTGTGGATTGCACAGACAAGCATTGACAGAAATACCTGAGGGTATCCCACTAATACCACCAACCTT
ACCTTACCATCAACCACATACCAAGCATCTCCAGACTCCTCCATAGGCTGAAGCATCTGGAGGAGC
TTGATTTAAGATGCAACTGTGTACCTATTCTACTGGGGTCAAAGCCAATGTGTGCACCAAGAGGCTACA
GATTAGACCTGGAAGCTTTAGTGGACTCTCGACTTAAAAATCCCTTACCTGGATGGAAATCAACTTCTA
GAGATACCACAGGATCTCCATCAAGCTTACAGCTTCTGAGCCTTGAGGCTAACAAATATCTTCTCCATCA
CAAAGGAGAATCTATCAGAACTAGTCAACATTGAATCACTCTACCTGGGCCAAAACCTGTTATTATCGAAA
TCCTTGAATGTTTCTATTCTATTGAAAAAGATGCTTTCCTAGTTATGAAAAATTTAAAGGTTCTCTCA
CTAAAAGATAACAATGTCACAGCTGTCCCACCATTTTGCCACCTAATTTGCTAGAACCTATCTTTATA
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TGAAAACCTGCCCTCGATGTTATAATGTCCCATATCCATGTACACCATGTGAAAATAATTCTCCCTTACAG
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TTAAGCATCTTTCATTCCTGAAATGCCTCAATTTGTCAGGAAACGCCATTGGCCAAACTCTTAATGGCAG
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 GGCTACCAGGGCAGCCAGTTCTAGAAAACCTTTCCAGAGCATACAGCTCAGCAGAAAGACAGTGTTTGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204786 representing NM_001097582
 Red=Cloning site Green=Tags(s)

MVFPMTLKRQSFIFLNMILVSRVLGFRWPKTLPDVSVDSTNTHVIVDCTDKHLTEIPEGIPTNTNL
 TLTIINHIPSISPDSFHLKLEELDLCNCVPILLGSKANVCTKRLQIRPGSFSGLSDLKSLYLDGNQLL
 EIPQDLPSSLQLSLEANNIFSITKENLSELVNIESLYLQNCYRNPNCVSYSEKDAFLVMKLNKVLVLS
 LKDNNTAVPTILPPNLELLEYLNNIIKRIQEHD FNKLSQLQVLDL SGNCPRCYNVPYPTPCENNSPLQ
 IHDNAFDSLTELKVLRLHSNSLQHVAEWFKNMSNLQELDL SQNYLAREIEEAKFLNSLPNLVQLDFSN
 YELQVYHASITLPHSLSSLTKLKNLYIKGYVFKELKDSSL SVLHNL SNLEVL DLGTFNFIKIADLNIFQQF
 ENLKFIDL SVNKISPSEESREVGLCPNAQTSVDWHGPQVLEALHYFRYDEYARSCRFKNKEPPTFLPLNA
 DCHTYGKTLDL SRNNIFFIKPSDFKHL SFLKCLNL SGNAIGQTLNGSELQPLRELRYLDFSNRDL LLYS
 TAFEELQNL EILDLSNSHYFQAEGITHMLNFTKLRHLEKLMNDNDISTASRTMESESLRVLEFRGN
 HLDVLRDGDNRYLDFFKNLLNLEELDISRNSLNSVPPGVFEGMPPNLTTL SLAKNGLRSFSWGRLQLLK
 HLKNDL SHNQLTTPARLANCSKSLTKLILNHNQIRQLTKYFLEDALQLRYLDISSNKIQVIQKTSFPE
 NVLNNLNM LLLHHRFLCNCDAVWFVWVWNHTDVTIPYLATDVT CAGPGAHKQSIVISLDLYTCELDTN
 LILF SVSISSVLFLMIVMTTSHLFFWDMWYIYFVKAKIKGYQHLQSMESCYDAFIVYDTKNSAVTEWWL
 QELVVKLEDPREKHFNLCEERDWP GPVLENL SQSIQLSRKT VFMVMTQKYAKTESFKMAFYLSHQRLM
 DEKVDVILIFLEKPLQSKFLQLRKLCS SSVLEWPTNPQAHYFWQCLKNALTTDNHVAYSQMFKETV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

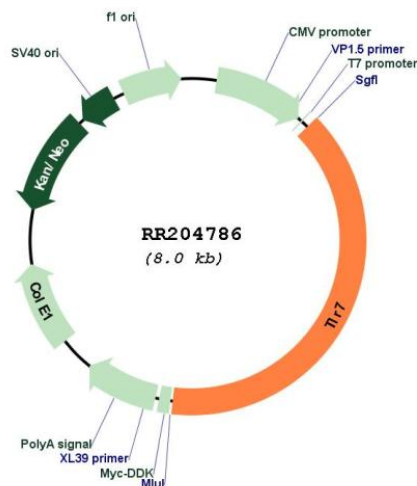
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001097582

ORF Size:

3150 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:	<u>NM_001097582.1, NP_001091051.1</u>
RefSeq Size:	3466 bp
RefSeq ORF:	3153 bp
Locus ID:	317468
Cytogenetics:	Xq13
MW:	121.3 kDa