

Product datasheet for RR212929

Tlr8 (NM_001101009) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr8 (NM_001101009) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlr8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212929 representing NM_001101009 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCCCTCAGTCGTGGATTCTGACCTGCTTTTGCCTGCTCTCCTCTGGAACCACTGCAGTCTTCTCA
AAGGGAACCTTTCCAGAAGCTATCCCTGTGATGAGAAAAGGCACAATGCCCTTGACTGCAGAATGCAA
TCATCGTCAACTGCATGAAGTTCCCAAACCTATCGGCAAATATGTGACAGATGTAGACTTGTGACAGCA
ACTATTATGCACATAACAAATGAGTCCTTTTCAGAAGTTTCGAAACCTCACTAAAAACAATCTGAACCACA
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ACTTGAAAGACTCTATTTGGGCTGGAAGTCTATTTAAGTGAATCAAATCTTTAAAGTAGAAGATGG
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AACTACCAAGCTCTCTAAGCAAACCTTTTCTGAGCAATGCCAAGATCTCAACCATCACTCAGGAAGACT
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CTTCGCTTTCTTAACTCTCTAGCACTCCCTCAGGACGATTCCTTCTACCTGGTTCGACAACTGACAA
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GTAACACACCGTCTAGGATTTATCCAGAACTTAATAAAGCTCAAGGTGTTAAACCTGAGCCACAATGGCA
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 CGCTTGGACTTATCGTACAATAACCTTCAACAAATCCCAAATGAAGCATTCTCAACTTGCCTCAGAGCC
 TCCAAGAGCTACATATCAATGATAACAGATTACGTTTCTTTAATTGGACATTACTCCAGTATTTCTCTCA
 CCTTCATGTGCTGGACTTGGGGAGAAATGAGCTGATTTTTCTAACCAATTGCCTATCGAAGTTTACACAT
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 GGAATCTGGTGTACCTGGATCTAAGTTTTCAACACAATAAAGATGATCAATAAATCCCTCCCTGCAAACCTGA
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 TAACCAAGAAAATAGCCAAGAGCTGGAACCTTTAAACCGCTTCTACTTGGCCTTGCAGAGGCTAATGGA
 TGAGAACATGGATGTGATTATCTTCATCTCTGGAACCAAGTGTACAGTATTCACAGTACCTGAGGCTT
 CGGCAGAGGATCTGTAAGAGCTCCATCTCCAGTGGCCCAACAACCCCAAGCGGAAAACCTGTTTTGGC
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 GCAATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212929 representing NM_001101009
 Red=Cloning site Green=Tags(s)

MSPQSWILTCFLLSSGTSAVFLKGNFSRYPCEKRNALVTAECNHRQLHEVPQTIGKYVTDVDLSDN
 TIMHITNESFQKFRNLTKINLNHNKQHPNENKNGMNI TEGAFLSLRNL TELLLEDNQL YTIPLGPE
 LKELSLIQNNIFQVTKNNTFGLRNLERLYLGWNCYFKCNQIFKVEDGAFNNL INLKLLSLSFNNLFVPP
 KLPSSLKLFSLNAKISTITQEDFKGLEHLILLDL SGNCPRCFNAPFPCECNLSASIRIHPLAFQNL TQ
 LRFLNLSSTSLRTIPSTWFDNLNLKELHLEFNLYVQEIASGAF LTKLPSLQTLDSLNF IHKEYLQYIT
 ISPNFMSLRSLRKLHLKGYVFRELKKEHFKPLQNL PNLTTINLGINFIEKIDFKAFQDFPNLKVYLSGN
 RIASVIDGTDHSSWRNLRKPLSTDYDEFDPHMNFYHSTEPLIKPQCTTYGKALDLSLNNIFVIGKSQFE
 GFQDIACLNL SFNANGQVLNGTEFSSMPHIKYLDL TNNRDLDFDDNQTFSDLHDLEVLDSLHNAHYFSIAG
 VTHRLGF IQNL IKLKVNL SHNGIYTL TDEYKLSKSLKELVFSGNRLDRLWNANDGKYWSIFTSLETLT
 RLDL SYNNLQQIPNEAFNL PQSLQELHINDNRLRFFNWTL LQYFPHLHVL DLGRNEL YFLTNLSKFTH
 SLKTL LLLNHNHFSHL PAGFLSEARNLVYLDL SFNTIKMINKSSLQTETKTNL SVLDLQGNHFDCTCDISD
 FRSWLEENPHVRI PRLVDVICSNPQDQRWKSVMSLDLTTCVSDTTAAILFFFLLTTSTVLLAALVHHLF
 YWDVWF IYHMCSAKLRGYSSTSTQTFYDAYISYDTK DASVTDWVINELRYHLEESD KSVLLCLEERDW
 DPGLPIIDNLMQSI NQSKKTI FVLTKKYAKSWNFKTA FYLALQRLMDENMDV IIFILLEPVLQYSQYLRL
 RQRICKSSILQWPNNPKAENLFWQSLKNVVL TENDSRYDNL YIDSIRQY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

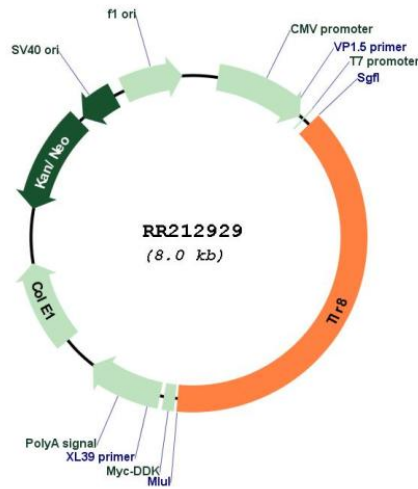
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001101009

ORF Size: 3087 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_001101009.1 , NP_001094479.1
RefSeq Size:	3381 bp
RefSeq ORF:	3090 bp
Locus ID:	684440
Cytogenetics:	Xq13
MW:	119.3 kDa