

Product datasheet for **MR225590**

Tlr5 (NM_016928) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr5 (NM_016928) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlr5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR225590 representing NM_016928
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence: >MR225590 representing NM_016928
Red=Cloning site Green=Tags(s)

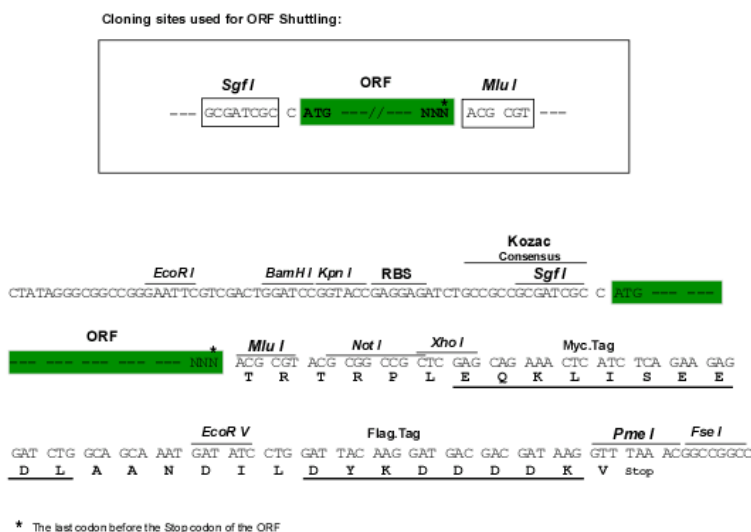
MDAEFPHPHF SRIMACQLDLLIGVIFMASPVLVISPCSSDGRIAFFRGCNLTQIPWILNTTTERLLL SF
NYISMVATSFP LLERLQLELGTQYANLTIGPGA FRNLPNLRILDLGQSQIEVLNRDAFQGLPHLLELR
LFSGLSSAVLSDGYFRNLYSLARLDL SGNQIHSRLHSSFRELSLSDVNFAFNQIFTICEDELEPLQG
KTL SFFGLKLT KLF SRVSVGWETCRNPF RGVRLTDL SENGWTVDIRNF SNI IQGSQISSLILKHHIM
GPGFGFQNI RDPDQSTFASLARSSVLQLDL SHGFIFSLNPRLFGLKDLKMLNLAFNKINKIGENAFYGL
DSLQVLNLSYNLLGEL YNSNFYGLPRVAYVDLQRNHIGI IQDQTFRLKTLQTLDLRDNALKAIGFIPSI
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LEPGAYRYDAYFCFSSKDFEWAQNALLKHLDAHYSRNRLRLCFEERDFIPGENHISNIQA AVWGSRKTV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1466_a03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_016928

ORF Size: 2619 bp

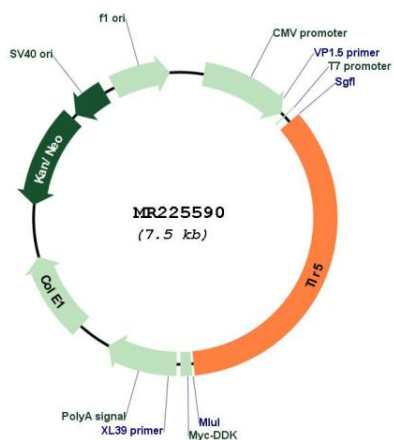
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_016928.2 , NP_058624.2
RefSeq Size:	3211 bp
RefSeq ORF:	2622 bp
Locus ID:	53791
UniProt ID:	Q9JLF7
Cytogenetics:	1 86.12 cM
MW:	99.7 kDa
Gene Summary:	Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response. Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident microbiota. Upon ligand binding such as bacterial flagellins, recruits intracellular adapter proteins MYD88 and TRIF leading to NF-kappa-B activation, cytokine secretion and induction of the inflammatory response. Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225590