

## Product datasheet for **MG219455**

### Tlr12 (NM\_205823) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tlr12 (NM_205823) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tlr12
Synonyms:	Gm1365; Tlr11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG219455 representing NM\_205823  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAGGTAAGTGGCTGCTGCCAGGTCTCCTCCTTTCCCTGCCTCTGGTAACTGGTGGAGCACTTCCA  
 ACTGCCTGGTGACCGAAGGCTCCCGACTGCCCCTGGTCTCCCGCTATTTACATTCTGCCGCCATTCCAA  
 GCTATCCTTTCTTGTGCATGCCTCTCCGTGAGCAACCTGACACAGACCTTGAAGTTGTACCTCGGACT  
 GTGGAGGGCTCTGCCTCGGTGGTACTGTGTCTACTCTGCTTCCAGATGCTTTCTCTGCTTTTCTGGTC  
 TCAAGGCTCTGGCACTGAGTCTGCACCTTACCCAATTCTGCCAGGAGCTCTCCGGGGTCTGGGACAGTT  
 GCAGAGCCTCTCTTTTTGACTCTCCTTAGGAGATCTCTTTTCTACCTCTGATGCCTTCAGTGAC  
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 CCGGTCTGCAATGGCTGGGTGTCAGCTCAGTTGCATTACAGGACGTGGGAGAGCTGGCTGGTATGTTCC  
 AGATCTGGTGCAAGGTTCTCCTCCAGGGTTTCGTGGACCCTGCAGAAGTTGGATCTGTCATCCAACCTGG  
 AAGCTGAAGATGGCTAGTCTGGGTCCCTCCAGGGTCTCCAGGTGGAGATTCTGGACCTGACAAGAACAC  
 CACTGGATGCCGTGTGGCTGAAGGGCTGGGACTTCAGAACTCGATGTCTTGTATGCACAGACTGCCAC  
 GGCCGAGCTGGCTGCTGAGGCTGTTGCCACTTTGAGCTGCAGGGCTTGATTGTGAAAGAAAGCAAGATA  
 GGATCTATATCTCAGGAGGCTCTGGCTTCTGCCACAGCTGAAGACCTTGGGTCTTTCAAGCACTGGCC  
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 GGCAACAGGTTGCGCATCTGCCTCCAGCCGCTTCTCCTGCTTACCCCACTTGCAGAGCTGCTGCTTC  
 GGTACAACCACTGCTTTCCCTGGAGGGATACTATTCCAGGAGCTCCAGCAACTAGAGCACTTGAAGT  
 GGATGGAAACCCCTGCTTACCTGGGTAAAGAACTGGTTGGCGGCTCTGCCTGCATTGACCACCTTAGC  
 TTGCTAGATACCCAATACGGATGAGCCAGAGCTGGCTTCTGGGGAGCAAAGAATCTGCATACCTTGA  
 GCCTGAAGCTTCCCGCTCTCCCTGCTCCGGCAGTATTGTTCTGCCATGTATCTGACCAGCTTAGAGCT  
 TCATATAGCCTCAGGCACGACGGAGCACTGGACGCTGTCCCAGCGATCTTCTCCTTGGAGACCTTG  
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 AGAAGCTCTCCCTGCTTAAAGACAGCTTGGATGCCTTCTGCTCCAGGGTACCTCCAACCTTTCTCTG  
 GCAGCTCCCCAACTTCACTCTTGGGGTATGGGGTGTGAAACAGCTCCAGACCCTGCCTTACTACT  
 GGGCTGCCAGCCTACGGGAGCTGAAGCTGGCGTCTCAGTCCATAACCCAGCCCGTTCCGGTGCAGC  
 TGGAGGAGCTGGTGGGTGACCTTCCACAGCTCCAGGCCTTAGTGCTATCCAGCACAGGCCTCAAGTCACT  
 GTCGGCCGCTGCTTTCCAGCGCCTGCACAGTCTCCAGGCTTAGTGCTAGAATATGAGAAGGACTTGATG  
 CTGCAGGACAGTCTGAGGGAGTACAGCCCTCAGATGCCCACTATATACATTCTGGAGTCAAACCTGG  
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 CGTTGGCCACCTCTCTCCTCTGGCTGCCCGTCCCCTCAGTGTGCTGCTAGTCTTCTTGAACCCA  
 TTTCTCGGACCAGCTTCCGGTTACCACAGACTGGCTCGGCTGCTTCAAGAGGAGACTACTGTCTGTG  
 GCCCGAGGAAGAGGAGAGAAAGAGTGGTTCTGGACTTGCTGAGGAGCAGGCTAGGG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG219455 representing NM\_205823  
 Red=Cloning site Green=Tags(s)

MGRYWLLPGLLLSLPLVTGWSTSNCLVTEGSRPLVSRFYFTFCRHSKLSFLAACLSVSNLTQTLEVVPRTEVEGLCLGGTVSTLLPDAFSAFPGKLVLALSLHLTQLLPGALRGLGQLQSLFFDSPLRRSLFLPPDAFSDLISLQRLHISGPCLDKKAGIRLPPGLQWLGVTLSCIQDVGELAGMFPDLVQGSSSRVSWTLQKLDLSSNWKLKMASPGSLQGLQVEILDLTRTPLDAVWLKGLGLQKLDVLYAQTATAELAAEVAHFELQGLIVKESKIGSISQEALASCHSLKTLGLSSTGLTKLPPGFLTAMPRLQRELESGNQLQSAVLCMNETGDVSGLTTLTDLGNRLRILPPAAFSCPLHLRELLLRYNQLLSLEGYLFQELQQLETCLKLDGNPLHLGKNWLAALPALTTLSLLDTQIRMSPEPGFWGAKNLHTLSLKLPAVPAPAVLFLPMYLTSLLEHIASGTTEHWLSPAIFPSLETLTISGGGLKLLKGSQNASGVFPALQKLSLLKNSLDAFCSQGTSNLFLWQLPKLQSLRVWAGNSSRPLITGLPSLRELKSLASLQITQPRSVQLEELVGDLPQLQALVLSSTGLKSLAAAFQRLHSLQVLVLEYEKDMLQDSLREYSPQMPHYIYILESNLACHCANAWMEPWVVKRSTKTYIYIRDNRLCPGQDRLSARGSLPSFLWDHCPQTLELKLFLASSALVFMLIALPLLQEARNSWIPYLQALFRVWLQGLRGKGDGKGRFLFDVVFVSHCRQDQGWVIEELLPALEGFLPAGLGLRLCLPERDFEPGKDVVDNVVDSMLSSRTTLCVLSGQALCNPRCRLRLATSLLLAAPSPPVLLLVFLEPISRHLPGYHRLARLLRRGDYCLWPEEEERKSGFWTWLRSRLG

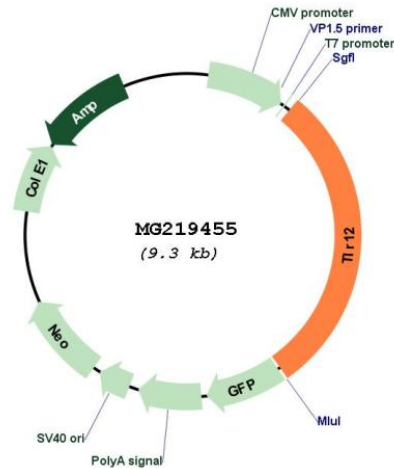
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_205823

**ORF Size:** 2718 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:**

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\\_205823.2](#), [NP\\_991392.1](#)

**RefSeq Size:** 3174 bp

**RefSeq ORF:** 2721 bp

**Locus ID:** 384059

**UniProt ID:** [Q6QNU9](#)

**Cytogenetics:** 4 D2.2

**Gene Summary:**

Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Plays a role in preventing infection of internal organs of the urogenital system.[UniProtKB/Swiss-Prot Function]