

## Product datasheet for **MR200757**

### PPP1R11 (NM\_029632) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppp1r11 (NM\_029632) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ppp1r11  
**Synonyms:** 1500041B02Rik; AV117883; HcgV; Tcte5; Tctex-5; Tctex5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200757 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGAGACAGGGGCCGGGATAAGTGAGACCGTCACTGAGACAACGGTTACTGAGACAACGGTTACCG  
 AGACAACCGAGCCAGAGAATCAGAGCCTAATTATGAACTTCGGAACCGCAAGCCAGAGAAGAAGGTGGA  
 GTGGTCCAGTGACACTGTGGACAATGAGCATATGGGGCGACGCTCGTCAAAATGCTGTGTATTTATGAG  
 AAGCCTCGGGCCTTTGGCGAGAGCTCCACCGAGAGTGATGAGGATGAAGAAGAAGGCTGTAGTCATAAGC  
 ACTGTGTACGGGGTCACCGCAAAGGACGGCGTCTACAACCCAGCACCCACCCCAACCACTCCTCCACA  
 GCCTCCTGATCCCTCTCAGCCCCCTCAGGACCTATGCAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200757 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MAETGAGISETVTETTVTETTVTETTEPENQSLIMKLRLKRPKPKVWSSDTVDNEHMGRRSSKCCCIYE  
 KPRAFGESSTESDEDEEEGCSHKHCVRGHRKGRRPTTPAPTPTTPPPQPPDPSQPPPGPMQH  
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI


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## Cloning Scheme:



ACCN: NM\_029632

ORF Size: 393 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

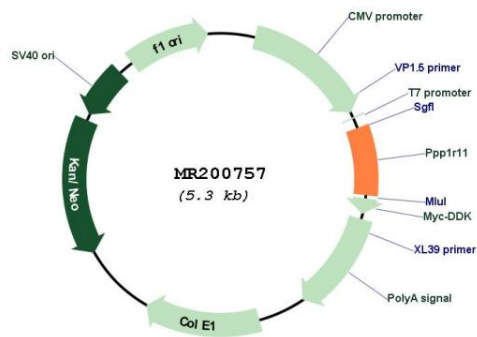
RefSeq: [NM\\_029632.1](#), [NM\\_029632.2](#), [NM\\_029632.3](#), [NP\\_083908.1](#)

RefSeq Size: 1696 bp

RefSeq ORF: 396 bp  
 Locus ID: 76497  
 UniProt ID: [Q8K1L5](#)  
 Cytogenetics: 17 19.16 cM  
 MW: 14.5 kDa

**Gene Summary:** Atypical E3 ubiquitin-protein ligase which ubiquitinates TLR2 at 'Lys-754' leading to its degradation by the proteasome. Plays a role in regulating inflammatory cytokine release and gram-positive bacterial clearance by functioning, in part, through the ubiquitination and degradation of TLR2 (PubMed:27805901). Inhibitor of protein phosphatase 1 (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR200757