

## Product datasheet for **MR207111**

### **Peli3 (NM\_172835) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Peli3 (NM_172835) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Peli3
Synonyms:	6030441F14Rik; A930011L17; BC028931
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207111 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGTCTGGAAGAAACCTGACGTGGGATCCCCCGGACCTCAGACCTCCAGCACCCGGGAGCCAGG  
 GCTCTTGCATCCTGTCTTGTCTGGTGAAGAAGCACTGGCAGGCGAGGAGCCCATCAAGTATGGTGAAC  
 CATCGTTCTGGGTACAATGGGTGTCTGGCAAGTGAGACAAGGGCCGCCGGAAGCCGCTGGCACTG  
 AGCCGCCGGCCACATGCCAACGGAGTGAAGCCAGATGTCATGCACCACATCTCCACACCACTCGTCTCCA  
 AGGCCCTGAGTAACCGAGGCCAGCACAGCATCTCATTCACTGTCCCGGAGTCACTCAGTTATAGTGA  
 GTACACACATGACAGCGACAAAGACATGTTCCAGATTGGCCGCTCTACTGAAAACATGATTGACTTTGTG  
 GTAACAGACACATCTCCTGGTGGAGGGGCTACAGAGGGCCCTTCTGCCAAAGTACCATCTCCCGTATG  
 CCTGCAGAATTCTGTGACCGCCGCCACCCTATACTGCCGAATCTATGCTGTGGCTTTGATGCCTC  
 TAGCAACATCTTTCTTGGAGAGCGGGCAGCCAAATGGAGGACTCCGGATGGTCTGATGGACGGCTTGACA  
 ACCAACGGGGTTCTGGTGTGCACCCAGCAGGTGGCTTCTCCGAGGACTTGCCCAAGGTGTCTGGAGGG  
 AGATTTCTGTCTGCGGGAATGTGTACACGCTGCGGGATAGCCGATCAGCTCAGCAGCGGGGGAAGCTGGT  
 GGAAAACGAATCCAACGTCCTGCAAGACGGTTCGCTCATCGACCTGTGTGGGGCCCACTGTTGTGGCGC  
 ACTCCGGCTGGGTTGCTGAGGGCACCCACTGAAACAAGTAGAGGCCAGCGACAGGAGGCCAACCGCAG  
 CACGGCCCCAGTGCCCGTGGGCCTTAGCACCTTGGCCTTCCCCAGCCAGCCCGTGGCCGACAGCACC  
 CGACAAACAGCAACCTGGGTCTACGTCGGTGTGGTGTCCATGGCTATCACGGCTGGGGCTGCCGG  
 AGGGAACGAGGCCCCAGGAGCGAGAGTGTCTCTGCCGCTTGTGGGACCCTATGTGCCCTGTGGCAGT  
 TCGGTGAGGAGCCGGTCTCTGCCTGGACCCTGGGCCACCCAGCCATGCTTTTGCACCCTGTGGCCAGT  
 CTGTTCTGAGAAGACTGCCCGCTACTGGGCTCAGACACCCTGCCGCACGGCACCCATGCTTTCCACGCT  
 GCCTGCCCTTCTGTGGAGCTTGCTCACCGGTGAGCTTGCTGTGTCCGCTCATTTCAGGGGCCAC  
 TGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207111 protein sequence  
 Red=Cloning site Green=Tags(s)

MVLEGNPDVGSPTSLLQHPGSQGSILSCPGEALAGEEPIKYGELIVLGYNGCLASGDKGRRRSRLAL  
 SRRPHANGVKPDVMHHISTPLVSKALSNRGQHSISFTLSRSHSVIVEYTHSDKDMFQIGRSTENMIDFV  
 VTDTSPPGGATEGPSAQSTISRYACRILCDRRPPYTARIYAAGFDASSNIFLGERAAKWRTPDGLMDGLT  
 TNGVLVMHPAGGFSEDSAPGVWREISVCGNVYTLRDSRSAQQRGKLVENESNVLQDGSIDLCGATLLWR  
 TPAGLLRAPTLKQLEAQRQEANAARPQCPVGLSTLAFSPARGRTAPDKQPWVYVRCGHVHGYPHWGCR  
 RERGPQERECPLCRLVGPYVPLWLQAEAGLCLDPGPPSHAFAPCGHVCSEKTARYWAQTPLPHGTHAFHA  
 ACPFCGAWLTGELGCVRLIFQGPLD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_172835

ORF Size: 1338 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\\_172835.2](#), [NP\\_766423.2](#)

RefSeq Size: 1937 bp

RefSeq ORF: 1338 bp

Locus ID: 240518

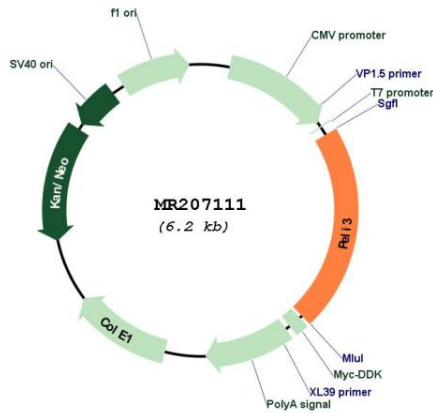
UniProt ID: [Q8BXR6](#)

**Cytogenetics:** 19 A

**MW:** 48.2 kDa

**Gene Summary:** E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6. Mediates 'Lys-63'-linked polyubiquitination of IRAK1. Can activate AP1/JUN and ELK1. Not required for NF-kappa-B activation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207111