

## Product datasheet for **MC201212**

### **Peli1 (NM\_023324) Mouse Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Peli1 (NM_023324) Mouse Untagged Clone                         |
| Tag:                      | Tag Free   |
| Symbol:                   | Peli1  |
| Synonyms:                 | 2810468L03Rik; A930031K15Rik; AA409794; AI586297; D11Erttd676e |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |



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**Fully Sequenced ORF:** >BC016515 sequence for NM\_023324  
 ATTTGAGAAAGACAGCCAAGCTCATGTTTTCTCCTGATCAAGAAAATCATCCTTCCAAAGCCCCAGTAAA  
 ATATGGCGAACTCATTGTCTTAGGATATAATGGATCTCTCCAAACGGTGATAGAGGAAGGAGGAAAAGT  
 AGGTTTGCCTTTGTTTAAAAGACCTAAGGCAAATGGGGTGAAGCCTAGCACCGTGACATTGCATGTACTC  
 CTCAGGCTGCCAAGGCAATAAGCAACAAGGACCAGCATAGCATATCATATACTTTATCTCGAGCCCAGAC  
 GGTGGTGGTTGAATATACTCATGACAGCAACACTGATATGTTTCAGATTGGTCCGGTCAACTGAAAAGTCCT  
 ATTTGATTTGTAGTAACAGACACCGTTCCCTGGAAGTCAGAGTAATCCGACACGCACTAGTACAAAGCA  
 CTATATCAAGATTTGCCTGTAGGATCATATGTGAGCGCAGTCCCCCTTTACAGCTCGGATTTATGCTGC  
 AGGGTTTGATTTCAAAAAACATCTTTCTTGGGGAGAAGGCTGCCAAGTGAAGACATCTGATGGGCAG  
 ATGGATGGCTTGACCACTAATGGAGTTCTGTGATGCATCCACGTAATGGGTTACAGAAGACTCCAAAC  
 CTGGAATATGGAGAGAAATATCAGTATGTGGAAACGTCTTCAGTCTGCGTGAAACCAGATCAGCTCAGCA  
 GAGAGGAAAGATGGTGGAAATTGAAACCAATCAGCTACAAGATGGCTCCTAATTGACCTTTGTGGTGCA  
 ACCTTGCTGTGGCTACTGCAGAAGGCCTTTCCATACTCTACTGTGAAGCACTTAGAAGCTTTAAGAC  
 AGGAGATCAATGCAGCTCGGCCGAGTGCCTGTAGGGTTCAACACACTAGCCTTCCCAGTATGAAGAG  
 GAAGGATGTTGTAGATGAAAAGCAACCATGGGTATATCTAAACTGCGCCATGTCCATGGTTATCATAAC  
 TGGGGAACAAAGAAGAACGTGACGGCAAAGATCGTGAATGTCCTATGTGTAGGTCTGTTGGTCCCTATG  
 TCCTCTGTGGCTTGATGTGAAGCTGGATTTTATGTGGACGCCGCCCTCCCACCCATGCCTTTAGCCC  
 CTGTGGGCACGTGTTCAGAAAAGACAACGGCTTACTGGTCCCAGATCCCACCTCCTCATGGTACGCAC  
 ACTTTTATGCAGCCTGCCCTTCTGTGCACATCAGTTGGCTGGTGAACAAGGCTATATCAGACTTATTT  
 TCCAAGGACCTTTAGACTAGCAGCTGCCTCCAGGACTGCATTGTAAGTTTATAAGCTAAGTGATTGGGT  
 TTGCTAACCGACCCCTTGCCATGTAAGTTTCTCTGCTCTGGTCAATTTGCATTAAGATGAAGAATTTTT  
 AAATATTTATAAGCAATTTCTGAGAAAAATCTGGGAAACTCAAGCAAAGGAATTTTTGAAAGTCCAGAC  
 TTCTGAACCTCTGAGTTTTGAAAATCTATTTTGGAAAAAAGACATAGTTTAATTTGATGCCTTCTCTT  
 GTTTAGTGTCTTGAATCACCGCCACCCTCAGTGTGAGAGGTTGTGCTGTAGAAGTGAAGGCTGTGTTG  
 GTTCAAATATGTTAGTTTACAATTTGTTGCAGACATTGTAATAACAGCAACATGTATATTAATTTTTTC  
 TATTTATCTTTATCATAGAAAGTACCTTAGAATGTTGTGATAGGCTAGCATGGTAAATGATGGTGTACAC  
 ATTTGGTGTGAGTGGTAGGGTAGTGAGCACAAGGCTCAAAGGTTTGCAAAGTTAAGGAGAAAGACAGGAG  
 AGCTTCCCCCCCCCAGCCCCATAATTAGGGGATATTTCAAAAACCAGAATATTTCAAAAACCAGAT  
 TCATATTAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_023324

**Insert Size:** 1257 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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: [BC016515](#), [AAH16515](#)

RefSeq Size: 1912 bp

RefSeq ORF: 1257 bp

Locus ID: 67245

UniProt ID: [Q8C669](#)

Cytogenetics: 11 13.81 cM

**Gene Summary:** E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins (By similarity). 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 allowing subsequent NF-kappa-B activation (PubMed:16951688). Mediates 'Lys-48'-linked polyubiquitination of RIPK3 leading to its subsequent proteasome-dependent degradation; preferentially recognizes and mediates the degradation of the 'Thr-182' phosphorylated form of RIPK3 (PubMed:29883609). Negatively regulates necroptosis by reducing RIPK3 expression (PubMed:29883609). Mediates 'Lys-63'-linked ubiquitination of RIPK1 (By similarity).[UniProtKB/Swiss-Prot Function]