

Product datasheet for MC218511

Peli2 (BC027062) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Peli2 (BC027062) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Peli2
 Synonyms: AW047589; BB129927
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >BC027062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTTTCAGGTGGGCAGGTCAACAGAAAGCCCCATTGACTTCGTGGTCACAGACACGGTTCCGGCGGT
 AGAACGAAGATGCCAGATCACACAGAGACCATCTCTAGGTTCCGATGCAGGATCGTGTGTGACAGGAA
 CGAGCCATACACAGCACGCATATTTGCGGCAGGATTCGATTCTTCCAAAAATATCTTTCTGGAGAGAAA
 GCAGAAAATGGAAAAACCTGATGGACACATGGATGGACTCACTACCAACGGTGTCTGGTGATGCACC
 CGCAAGGAGGCTTACCGAGGAATCCCAGCCTGGAGTCTGGAGAGAGATCTGTCTGTGGGGATGTGTA
 CACCTTGCAGAGACCAGGTCCGCCAGCAGAGGGGAAAGCTGGTGAAAGTGAGACCAACGTCCTGCAA
 GACGGCTCCCTCATTGACCTGTGTGGGGCCACTCTCTCTGGAGAACCGCAGATGGCCTTTTTACAGCTC
 TACTCAGAAGCACATAGAAGCCCTCCGGCAGGAGATCAATGCAGCCGACCCAGTGCCCGTGGGGCT
 TAACACCTGGCCTTCCCAGCATCAACCGGAAGGAAGTGGTGAAGAGAAGCAGCCCTGGGCATACCTG
 AGCTGCGGCCATGTGCACGGCTACCACAGCTGGGGCCATCGGAGCGACCGGAAGCCAACGAGAGGGAGT
 GTCCCATGTGCAGGACTGTGGGCCCTACGTCCCTCTCTGGCTGGGCTGTGAGGCAGGATTTATGTCGA
 TGCGGGACCCCAACTCACGCTTTCACCCCTGCGGGCACGTCTGTTTCAGAGAAGTCTGCCAAGTACTGG
 TCGCAGATCCCCTGCCCCACGGAACGCACGCGTTTACGCCCGCTGTCCGTTCTGCGCCACGCAGCTGG
 TTGGTGAACAGAACTGCATCAAATGATTTTCCAAGGTCCAGTGGACTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
 TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: BC027062



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Insert Size:	960 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:	<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:	<u>BC027062</u> , <u>AAH27062</u>
RefSeq Size:	1732 bp
RefSeq ORF:	959 bp
Locus ID:	93834
Cytogenetics:	14 24.6 cM
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 IL1B-induced IRAK1 'Lys-63'-linked polyubiquitination and possibly 'Lys-48'-linked ubiquitination. May be important for LPS- and IL1B-induced MAP3K7-dependent, but not MAP3K3-dependent, NF-kappa-B activation. Can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1. [UniProtKB/Swiss-Prot Function]