

Product datasheet for MR206617

Peli1 (NM_023324) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peli1 (NM_023324) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Peli1
Synonyms:	2810468L03Rik; A930031K15Rik; AA409794; AI586297; D11ErtD676e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206617 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTCTCCTGATCAAGAAAATCATCCTTCCAAAGCCCCAGTAAAATATGGCGAACTCATTGTCTTAG
GATATAATGGATCTCTCCAAACGGTGATAGAGGAAGGAGGAAAAGTAGGTTTGTCTTAAAAGACC
TAAGGCAAATGGGGTGAAGCCTAGCACCGTGCACATTGCATGTACTCCTCAGGCTGCCAAGGCAATAAGC
AACCAAGGACCAGCATAGCATATCATATACTTTATCTCGAGCCCAGACGGTGGTGAATATACTCATG
ACAGCAACTGATATGTTTCAGATTGGTCCGTCACACTGAAAGTCTATTGATTTGTAGTAACTGACAC
CGTTCCTGGAAGTCAGAGTAATTCGACACGCAGTCAGTACAAAGCACTATATCAAGATTTGCCTGTAGG
ATCATATGTGAGCGCAGTCCCCCTTTACAGCTCGGATTTATGCTGCAGGGTTTGTATCATCAAAAAACA
TCTTTCTTGGGAGAAGGCTGCCAAGTGAAGACATCTGATGGGCAGATGGATGGCTTGACCACTAATGG
AGTTCTTGTGATGCATCCACGTAATGGGTTACAGAAGACTCCAAACCTGGAATATGGAGAGAAATCA
GTATGTGGGAACGCTTTCAGTCTGCGTGAACCCAGATCAGCTCAGCAGAGAGGAAAGATGGTGGAAATTG
AAACCAATCAGCTACAAGATGGCTCCTAATTGACCTTTGTGGTGAACCTTGTGTGGCGTACTGCAGA
AGGCCTTTCCATACTCCTACTGTGAAGCACTAGAAGCTTTAAGACAGGAGATCAATGCAGCTCGGCC
CAGTGGCCTGTAGGGTTCAACACACTAGCCTTCCCCAGTATGAAGAGGAAGGATGTTGTAGATGAAAAGC
AACCATGGGTATATCTAAACTGCGGCCATGTCCATGGTTATCATAACTGGGAAACAAAGAAGAAGTGA
CGGCAAAGATCGTGAATGTCTATGTGTAGGTCTGTTGGTCCCTATGTCCCTCTGTGGCTTGGATGTGAA
GCTGGATTTTATGTGGACGCCGCCCTCCACCCATGCCTTTAGCCCTGTGGCAGCTGTGTTAGAAA
AGACAACGGCTTACTGGTCCCAGATCCCCTTCTCATGGTACGCACACTTTTCATGCAGCCTGCCCTT
CTGTGCACATCAGTTGGCTGGTGAACAAGGCTATATCAGACTATTTTCCAAGGACCTTTAGAC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206617 protein sequence
Red=Cloning site Green=Tags(s)

MFSPDQENHPSKAPVKYGELIVLGYNGSLPNGDRGRKSRFALFKRPKANGVKPSTVHIACTPQAAKAIS
 NKDQHSISYTL SRAQTVVVEYTHDSNTDMFQIGRSTESPIDFVVDTVPGSQSNSDTQSVQSTISRFA
 IICERSPPFTARIYAAGFDSSKNIFLGEKAAKWKTSDDGQMDGLTTNGVLVMHPRNGFTEDSKPGI
 WREISVCGNVFSLRETRSAQQRGKMVEIETNQLQDGLIDL CGATLLWRTA EGLSHTPTVKHLEALR
 QEINAARPQCPVGFNTLAFPSMKRKDVVDEKQPWVYLNCGHVHGYHNWGNKEERDGDRECPMCR
 SVGPYVPLWLGCEAGFYVDAGPPTHAFSPCGHVCSEKTTAYWSQIPLPHGTHTFHAACPFCAHQLAGE
 QGYIRLIFQGPLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023324

ORF Size: 1257 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_023324.2](#), [NP_075813.2](#)

RefSeq Size: 3501 bp

RefSeq ORF: 1257 bp

Locus ID: 67245

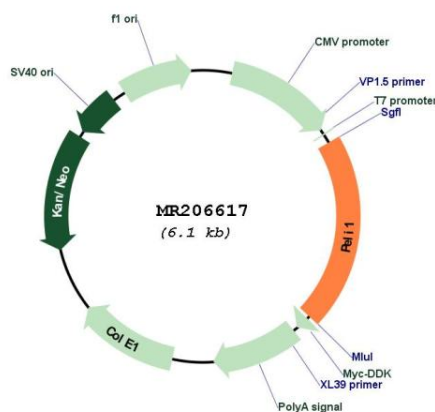
UniProt ID: [Q8C669](#)

Cytogenetics: 11 13.81 cM

MW: 46.3 kDa

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]

Product images:



Circular map for MR206617