

Product datasheet for **MG206617**

Peli1 (NM_023324) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peli1 (NM_023324) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Peli1
Synonyms:	2810468L03Rik; A930031K15Rik; AA409794; AI586297; D11ErtD676e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206617 representing NM_023324 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTCTCCTGATCAAGAAAATCATCCTTCCAAAGCCCCAGTAAAATATGGCGAACTCATTGTCTTAG
GATATAATGGATCTCTCCAAACGGTGATAGAGGAAGGAGGAAAAGTAGGTTTGTCTTAAAAGACC
TAAGGCAAATGGGGTGAAGCCTAGCACCGTGCACATTGCATGTACTCCTCAGGCTGCCAAGGCAATAAGC
AACCAAGGACCAGCATAGCATATCATATACTTTATCTCGAGCCCAGACGGTGGTGAATATACTCATG
ACAGCAACACTGATATGTTTCAGATTGGTCGGTCAACTGAAAGTCTATTGATTTGTAGTAAGTACAC
CGTTCCCTGGAAGTCAGAGTAATTCGACACGCAGTCAGTACAAAGCACTATATCAAGATTTGCCTGTAGG
ATCATATGTGAGCGCAGTCCCCCTTTACAGCTCGGATTTATGCTGCAGGGTTTGTATCATCAAAAAACA
TCTTTCTTGGGGAGAAGGCTGCCAAGTGGAAAGACATCTGATGGGCAGATGGATGGCTTGACCACTAATGG
AGTTCTTGTGATGCATCCACGTAATGGGTTACAGAAGACTCCAAACCTGGAATATGGAGAGAAATCA
GTATGTGGGAACGCTTTCAGTCTGCGTGAACACAGATCAGCTCAGCAGAGAGGAAAGATGGTGGAAATG
AAACCAATCAGCTACAAGATGGCTCCTAATTGACCTTTGGTGGCAACCTTGTGTGGCGTACTGCAGA
AGGCCTTTCCATACTCCTACTGTGAAGCACTTAGAAGCTTTAAGACAGGAGATCAATGCAGCTCGGCC
CAGTGGCCTGTAGGGTTCAACACACTAGCCTTCCCAGTATGAAGAGGAAGGATGTGTAGATGAAAAGC
AACCATGGGTATATCTAAACTGCGGCCATGTCCATGGTTATCATAACTGGGAAACAAAGAAGAAGTGA
CGGCAAAGATCGTGAATGTCTATGTGTAGGTCTGTTGGTCCCTATGTCCCTCTGTGGCTTGGATGTGAA
GCTGGATTTTATGTGGACGCCGGCCCTCCACCCATGCCTTTAGCCCTGTGGGCAGTGTGTTAGAAA
AGACAACGGCTTACTGGTCCCAGATCCCCTTCTCATGGTACGCACACTTTTTCATGCAGCCTGCCCTT
CTGTGCACATCAGTTGGCTGGTGAACAAGGCTATATCAGACTATTTTCCAAGGACCTTTAGAC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206617 representing NM_023324
 Red=Cloning site Green=Tags(s)

MFSPDQENHPSKAPVKYGELIVLGYNGSLPNGDRGRKSRFALFKRPKANGVKPSTVHIACTPQAAKAIS
 NKDQHSISYTLRAQTVVVEYTHDSNTDMFQIGRSTESPIDFVVDTVPGSQSNSDTQSVQSTISRFA
 IICERSPPFTARIYAAGFDSSKNIFLGEKAAKWKTSDDGQMDGLTNGVLVMHPRNGFTEDSKPGI
 WREIS VCGNVFSLRETRSAQQRGKMVEIETNQLQDGLIDLCGATLLWRTAEGLSHTPTVKHLEAL
 RQEINAARP QCPVGFNTLAFPSMKRKDVVDEKQPWVYLNCGHVHGYHNWGNKEERDGDRECPMCR
 SVGPYVPLWLGCE AGFYVDAGPPTHAFSPCGHVCSEKTTAYWSQIPLPHGTHTFHAACPFCAHQLAGE
 QGYIRLIFQGPLD

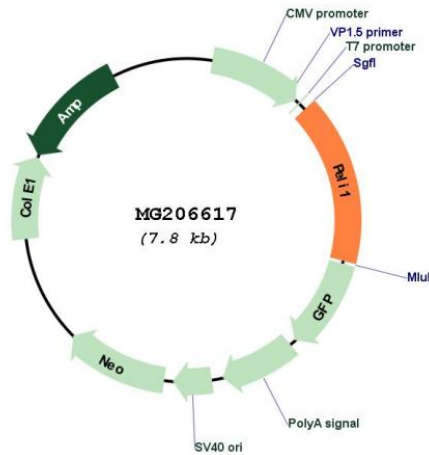
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023324

ORF Size:	1254 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:	<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:	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
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]