

Product datasheet for **MG207111**

Peli3 (NM_172835) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peli3 (NM_172835) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Peli3
Synonyms:	6030441F14Rik; A930011L17; BC028931
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207111 representing NM_172835
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCTGGAAGAAACCTGACGTGGGATCCCCCGGACCTCAGACCTCCAGCACCCGGGAGCCAGG
 GCTCTTGCATCCTGTCTTGTCTGGTGAAGAAGCACTGGCAGGCGAGGAGCCCATCAAGTATGGTGAAC
 CATCGTTCTGGGTACAATGGGTGTCTGGCAAGTGGAGACAAGGGCCGCCGGAAGCCGCTGGCACTG
 AGCCGCCGCCACATGCCAACGGAGTGAAGCCAGATGTCATGCACCACATCTCCACACCACTCGTCTCCA
 AGGCCCTGAGTAACCGAGGCCAGCACAGCATCTCATTCACTGTCCCGGAGTCACTCAGTTATAGTGA
 GTACACACATGACAGCGACAAAGACATGTTCCAGATTGGCCGCTCTACTGAAAACATGATTGACTTTGTG
 GTAACAGACACATCTCCTGGTGGAGGGGCTACAGAGGGCCCTTCTGCCAAAGTACCATCTCCCGCTATG
 CCTGCAGAATTCTGTGACCGCCGCCACCCTATACTGCCGAATCTATGCTGTGGCTTTGATGCCTC
 TAGCAACATCTTTCTTGGAGAGCGGGCAGCCAAATGGAGGACTCCGGATGGTCTGATGGACGGCTTGACA
 ACCAACCGGGTTCTGGTATGCACCCAGCAGGTGGCTTCTCCGAGGACTTGCCCCAGGTGTCTGGAGGG
 AGATTTCTGTCTGCGGGAATGTGTACACGCTGCGGGATAGCCGATCAGCTCAGCAGCGGGGAAGCTGGT
 GGAAAACGAATCCAACGTCCTGCAAGACGGTTCGCTCATCGACCTGTGTGGGGCCACACTGTTGTGGCGC
 ACTCCGGCTGGGTTGCTGAGGGCACCCACACTGAAACAAGTAGAGGCCAGCGACAGGAGGCCAACCGCAG
 CACGGCCCCAGTGCCCGTGGGCCTTAGCACCTTGGCCTTCCCCAGCCAGCCCGTGGCCGCACAGCACC
 CGACAAACAGCAACCCTGGGTCTACGTCGGTGTGGTGTCCATGGCTATCACGGCTGGGGTGGCCGG
 AGGGAACAGAGGCCCCAGGAGCGAGAGTGTCTCTGCCGCTTGTGGGACCTATGTGCCCTGTGGCCAGT
 TCGGTGAGGAGCCGGTCTCTGCCTGGACCCTGGGCCACCCAGCCATGCTTTTGCACCTGTGGCCAGT
 CTGTTCTGAGAAGACTGCCCGCTACTGGGCTCAGACACCGCTGCCGCACGGCACCCATGCTTTCCAGCT
 GCCTGCCCTTCTGTGGAGCTTGCTCACCGGTGAGCTTGGCTGTGTCCGCTCATTTCAGGGGCCAC
 TGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207111 representing NM_172835
 Red=Cloning site Green=Tags(s)

MVLEGNPDVGSPTSLLQHPGSQGSCILSCPGEALAGEEPIKYGELIVLGYNGCLASGDKGRRRSRLAL
 SRRPHANGVKPDVMHHISTPLVSKALSNRGQHSISFTLSRSHSVIVEYTHSDKDMFQIGRSTENMIDFV
 VTDTSPPGGATEGPSAQSTISRYACRILCDRPPYTARIYAAGFDASSNIFLGERAAKWRTPDGLMDGLT
 TNGVLVMHPAGGFSEDSAPGVWREISVCGNVYTLRDSRSAQQRGKLVENESNVLQDGSLLDLCGATLLWR
 TPAGLLRAPTLKQLEAQRQEANAARPQCPVGLSTLAFSPARGRTAPDKQPWVYVRCGHVHGYHGWGCR
 RERGPQERECPLCRLVGPYVPLWLQAEAGLCLDPGPPSHAFAPCGHVCSEKTARYWAQTPLPHGTHAFHA
 ACPFCGAWLTGELGCVRLIFQGPLD

TRTRPLE - GFP Tag - V

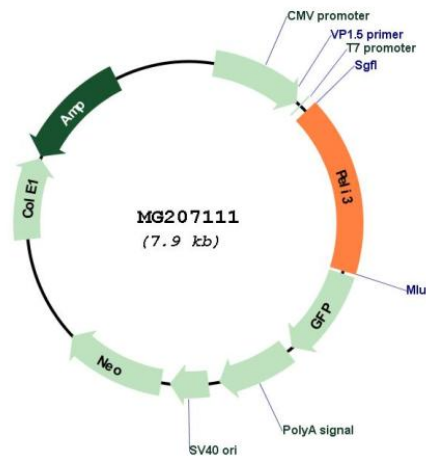
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172835

ORF Size: 1335 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:	<u>NM_172835.2</u> , <u>NP_766423.2</u>
RefSeq Size:	1933 bp
RefSeq ORF:	1338 bp
Locus ID:	240518
UniProt ID:	<u>Q8BXR6</u>
Cytogenetics:	19 A
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]