

## Product datasheet for **RG218104**

### PELI3 (NM\_145065) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PELI3 (NM_145065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PELI3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG218104 representing NM\_145065  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCTGGAAGAAACCTGAAGTGGGGTCCCCCGAACCTCAGACCTCCAGCACCGGGGAACAAGG  
 GCTCTTGCCTTCTCTCTCCCGTGAAGATGCGCAGCCAGGCGAGGAGCCATCAAGTATGGTGAAC  
 CATCGTCTGGGATGCTGTGAGGAAGGAGTGAGGAAACCGAGGCTCAGAGAGGGGAAGTACTGGCCCA  
 AGGGCACTCAGCTGCTACAATGGTTGTCTGGCAAGTGGGGACAAGGGCCGCCGGCAAGCCGCTGGCAC  
 TGAGCCGCCGGTGCACGCCAACGGGTGAAGCCAGACGTATGCTCCACATCTCCACGCCGCTCGTCTC  
 CAAGGCACTGAGTAACCGTGGTCAACAGCATCTCGTATACACTGTCCCGGAGCCACTCGGTATAGTG  
 GAGTATACATGATAGCGACACAGACATGTTCCAGATTGGCCGCTCCACAGAGAACATGATTGACTTCG  
 TGGTAACAGACAGTCCCTGGAGGAGGGGCTGCCGAGGGCCCTTCTGCCAGAGCACCATCTCCCGCTA  
 TGCTGCCGATCTCTGTGACCGCCGCCACCCTATACTGCCGCATCTATGCCGTGGCTTCGATGCC  
 TCTAGCAACATCTTCTTGGAGAGCGAGCGCCAAATGGCGGACCCAGATGGCCTGATGGATGGACTGA  
 CCACCAATGGAGTCTGGTGTATGACCCGGCAGGCGGCTTCTCCGAGGACTCAGCCCCGGGTGTCTGGCG  
 GGAGATCTCGGTCTGTGGGAATGTGTACACATTGCGGGACAGCCGCTCAGCCAGCAGCGGGGAAGCTG  
 GTGAAAAACGAGTCCAACGTGCTGCAGGACGGCTCTCTCATCGACCTGTGTGGGGCCACACTGCTGTGGC  
 GCACACCGCGGGGCTGCTGCGGGTCCACACTGAAGCAACTGGAGGCCAGCGGCAGGAGGCAAAATGC  
 AGCGCGGCCCCAGTCCCCGTGGGCTCAGCACTCTGGCCTTCCCAGCCAGCCCGTGGCCGCACAGCG  
 CCCGACAAACAGCAGCCCTGGTCTACGTCCGCTGCGGGCACGTCCATGGCTACCACGGCTGGGGCTGCC  
 GCGGGAGCGGGCCCCCAGGAGCGCAATGTCCTCTCTGCCGCTTGTGGGGCTTATGTGCCTCTATG  
 GCTTGGCCAGGAGCGCCGCTCTGCCTGGACCCCTGGGCCGCTAGCCATGCCCTTGCACCTTGCAGCCAC  
 GTCTGCTCTGAGAAGACTGCCCGTACTGGGCCAGACCCACTGCCCCAGGCACCCATGCTTTCCATG  
 CCGCTGCCCTTTTGCAGGGCTGGCTTACCGCGAGCATGGCTGCGTCCGCTCATTTCAGGGCC  
 GCTGGAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG218104 representing NM\_145065  
 Red=Cloning site Green=Tags(s)

MVLEGNPEVGSPTSRLQHRGNKGSVLSPPGEDAQPGEEPITYGELIVLGCCEEGGEETEQRGEVTP  
 RALSCYNGCLASGDKGRRRSRLALSRSHANGVKPDVMLHISTPLVSKALSNRQHSISYTLRSRSHVIV  
 EYTHSDTDMFQIGRSTENMIDFVVTDTSPGGAAEGPSAQSTISRYACRILCDRRPPYTARIYAAGFDA  
 SSNIFLGERAAKWRTPDGLMDGLTTNGVLVMPAGGFSEDSAPGVWREISVCGNVYTLRDSRSAQQRGKL  
 VENESNVLQDGSLLDLCGATLLWRTPAGLLRAPTLKQLEAQRQEANAARPQCPVGLSTLAFSPARGRTA  
 PDKQQPWVYVRCGHVHGYHGWGCRREGRERECPLCRLVGPYVPLWLGQEAAGLCLDPGPPSHAFAPCGH  
 VCSEKTARYWAQTPLPHGTHAFHAACPFCAWLTGHEHGCVRLIFQGPLD

**TRTRPLE** - GFP Tag - V

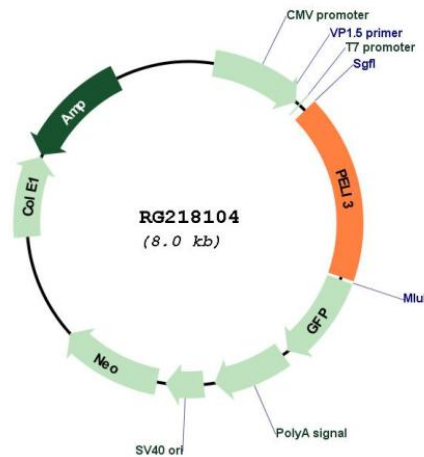
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_145065

ORF Size: 1407 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\\_145065.1](#), [NP\\_659502.1](#)

**RefSeq Size:** 2697 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 246330

**UniProt ID:** [Q8N2H9](#)

**Cytogenetics:** 11q13.2

**Gene Summary:** The protein encoded by this gene is a scaffold protein and an intermediate signaling protein in the innate immune response pathway. The encoded protein helps transmit the immune response signal from Toll-like receptors to IRAK1/TRAF6 complexes. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]