

## Product datasheet for **MG206008**

### Pelo (NM\_134058) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pelo (NM_134058) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pelo
Synonyms:	AA409897; AI852218
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206008 representing NM_134058 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTCGTGAGGAAGGATATCGAGAAGGACAATGCGGGCCAGGTACCCTCGTCCCGAGGAGCCCG  
AGGACATGTGGCACACCTACAATCTAGTGCAGGTGGGCGACAGCCTGCGCGCCTCCACCATCCGCAAGGT  
CCAGACCGAGTCTCCACGGGCAGCGTGGGAGCAACCGTGTCCGCACCACCTCACCTTTGCGTGGAG  
GCCATCGACTTCGACTCCAGGCCTGCCAGCTGCGGGTGAAGGGACCAATATCCAAGAGAATGAGTATG  
TCAAGATGGGGGCTTACCACACCATCGAACTGGAGCCCAACCGCCAGTTCACCCTGGCCAAGAAACAGTG  
GGACAGTGTGTTCTGGAACGCATCGAGCAGGCTTGCAGCCCGCGTGGAGCGCTGATGTGGCAGCTGTG  
GTCATGCAGGAGGGCCTGGCCCACGTCTGCTTAGTCACGCCAGCATGACCCTTACCCGGGCCAAGGTGG  
AGGTGAACATCCCAGGAAACGGAAAGGCAACTGCTCCCAGCATGACCGGCCCTGGAGCGGTTCTATGA  
ACAGGTGGTCCAGGCCATCCAGCGCCACATAAACTTCGAGGTTGTAAAGTGCCTTCTGGTGGCCAGCCCT  
GGATTCGTGCGAGAGCAGTTCTGCGATTACATGTTTCAGCAAGCTGTGAAGACGGACAATAAAGTGTCTC  
TGGAAAACCGCTCCAAATTCCTCAGGTGCACGCCTCCTCTGGACACAAGTACTCCCTGAAAGAGGCCCT  
CTGCGACCCTACTGTAGCGAGCCGCTTTCAGACACAAAGGCAGCGGGCGAAGTAAAGCCTTGGATGAC  
TTCTACAAAATGTTACAGCACGAGCCCGACCGAGCGTTCTATGGACTCAAGCAGGTGGAGAGGGCCAACG  
AAGCCTTGGCCATAGACACTTTGCTCATCAGTGTAGCTCTTCCGGCATCAGGATGTGGCCACCCGGAG  
CCGGTATGTCAGGCTGGTGGACAGTGTGAAGGAGAATGCGGGCACCGTAAGGATATTCTCTAGTCTCCAT  
GTGTCGGGGGAACAGCTGGGCCAGCTGACGGGAGTAGCCGCCATTCTCCGCTTCCAGTGCCAGAAGCTTT  
CTGACCAAGAGGATGATTCAAGTTCTGAAGAGGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206008 representing NM\_134058  
 Red=Cloning site Green=Tags(s)

MKLVRKDIEKDNAGQVTLVPEEPEDMWHYTNLVQVGDLSLRASIRKVVQTESSTGSGVSNRVRTTLTLCVE  
 AIDFDSQACQLRVKGTNIQENEYVKMGAYHTIELEPNRQFTLAKKQWDSVVLERIEQACDPAWSADVAAV  
 VMQEGLAHVCLVTPSMTLTRAKVEVNIIPRKRKGNCSQHDRALERFYEQVQAIQRHINFVVKCVLVASP  
 GFVREQCDYMFQQAQVKTDNKVLLENRSKFLQVHASSGHKYSYLKEALCDPTVASRLSDTKAAGEVKALDD  
 FYKMLQHEPDRAFYGLKQVERANEALAIIDTLLISDELFRHQDVATRSRYVRLVDSVKENAGTVRIFSSLH  
 VSGEQLGQLTGVAAILRFPVPELSDQEDSSSEED

TRTRPLE - GFP Tag - V

Chromatograms: [https://cdn.origene.com/chromatograms/ja2715\\_e01.zip](https://cdn.origene.com/chromatograms/ja2715_e01.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_134058

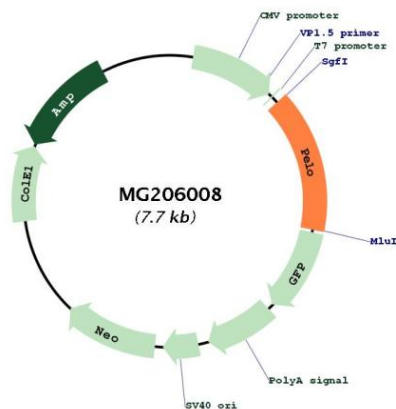
ORF Size: 1155 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_134058.1](#), [NP\\_598819.1](#)
- RefSeq Size:** 1588 bp
- RefSeq ORF:** 1158 bp
- Locus ID:** 105083
- UniProt ID:** [Q80X73](#)
- Cytogenetics:** 13 D2.2
- Gene Summary:** Required for normal chromosome segregation during cell division and genomic stability. May function in recognizing stalled ribosomes and triggering endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and degrade damaged mRNAs. May have ribonuclease activity (Potential).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG206008