

Product datasheet for MR206008

Pelo (NM_134058) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pelo (NM_134058) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pelo
Synonyms:	AA409897; AI852218
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206008 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCGTGAGGAAGGATATCGAGAAGGACAATGCGGGCCAGGTACCCTCGTCCCGAGGAGCCCG
AGGACATGTGGCACACCTACAATCTAGTGCAGGTGGGCGACAGCCTGCGCGCCTCCACCATCCGCAAGGT
CCAGACCGAGTCTCCACGGGCAGCGTGGGGAGCAACCGTGTCCGACCACCCTCACCTTTGCGTGGAG
GCCATCGACTTCGACTCCAGGCCTGCCAGCTGCGGGTGAAGGGACCAATATCCAAGAGAATGAGTATG
TCAAGATGGGGGCTTACCACACCATCGAACTGGAGCCCAACCGCCAGTTCACCCTGGCCAAGAAACAGTG
GGACAGTGTGTTCTGGAACGCATCGAGCAGGCTTGCAGCCCGCGTGGAGCGCTGATGTGGCAGCTGTG
GTCATGCAGGAGGGCCTGGCCCACGTCTGCTTAGTCACGCCAGCATGACCCTTACCCGGGCCAAGGTGG
AGGTGAACATCCCAGGAAACGGAAAGGCAACTGCTCCAGCATGACCGGGCCCTGGAGCGGTTCTATGA
ACAGGTGGTCCAGGCCATCCAGCGCCACATAAACTTCGAGGTTGTAAGTGCCTTCTGGTGGCCAGCCCT
GGATTCGTGCGAGAGCAGTTCTGCGATTACATGTTTCAGCAAGCTGTGAAGACGGACAATAAAGTGTCTC
TGGAAAACCGCTCCAAATTCCTTCAGGTGCACGCCTCCTCTGGACACAAGTACTCCCTGAAAGAGGCCCT
CTGCGACCCTACTGTAGCGAGCCGCTTTCAGACACAAAGGCAGCGGGCGAAGTAAAGCCTTGGATGAC
TTCTACAAAATGTTACAGCACGAGCCCGACCGAGCGTTCATGGACTCAAGCAGGTGGAGAGGGCCACG
AAGCCTTGGCCATAGACACTTTGCTCATCAGTGATGAGCTTCCGGCATCAGGATGTGGCCACCCGGAG
CCGGTATGTCAGGCTGGTGGACAGTGTGAAGGAGAATGCGGGCACCGTAAGGATATTCTCTAGTCTCCAT
GTGTCGGGGGAACAGCTGGGCCAGCTGACGGGAGTAGCCGCCATTCTCCGCTTCCAGTCCAGAACTTT
CTGACCAAGAGGATGATTCAAGTTCTGAAGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206008 protein sequence
 Red=Cloning site Green=Tags(s)

MKLVRKDIEKDNAGQVTLVPEEPEDMWHTYNLVQVGDLSLRASIRKVVQTESSTGVSNGSNRVRTTLTLCVE
 AIDFDSQACQLRVKGTNIQENEYVKMGAYHTIELEPNRQFTLAKKQWDSVVLERIEQACDPAWSADVAAV
 VMQEGLAHVCLVTPSMTLTRAKVEVNIIPRKRKGNCSQHDRALERFYEQVQAIQRHINFEVVKCVLVASP
 GFVREQCDYMFQQAVKTDNKVLLLENRSKFLQVHASSGHKYSYLKEALCDPTVASRLSDTKAAGEVKALDD
 FYKMLQHEPDRAFYGLKQVERANEALAIIDTLLISDELFRHQDVATRSRYVRLVDSYKENGAGTVRIFSSHL
 VSGEQLGQLTGVAAILRFPVPELSDQEDDSSSEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_134058

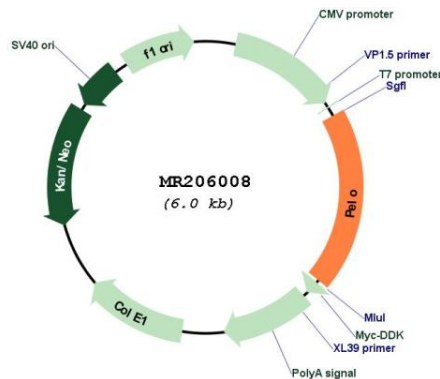
ORF Size: 1158 bp

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 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:	<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_134058.1</u> , <u>NM_134058.2</u> , <u>NM_134058.3</u> , <u>NP_598819.1</u>
RefSeq Size:	1588 bp
RefSeq ORF:	1158 bp
Locus ID:	105083
UniProt ID:	<u>Q80X73</u>
Cytogenetics:	13 D2.2
MW:	43.4 kDa
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 MR206008