

Product datasheet for RN211065

Pelo (NM_001007634) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pelo (NM_001007634) Rat Untagged Clone
Tag: Tag Free
Symbol: Pelo
Synonyms: MGC94455
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211065 representing NM_001007634
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCTTGTGAGGAAAGATATCGAGAAGGACAATGCGGGCCAGGTACCCTCGTCCCGGAGGAGCCCG
AGGACATGTGGCACACCTACAATCTAGTGCAGGTGGGCGACAGCCTGCGCGCCTCCACCATCCGTAAGGT
CCAGACCGAGTCTCCACAGGCAGCGTGGGGAGCAACCGTGTCCGCACCACCTCACTCTTTGCGTGGAG
GCCATCGACTTCGACTCCAGGCCTGCCAGCTGCGGGTTAAGGGCACCAATATCAAGAGAATGAGTATG
TCAAGATGGGGGCTTACCACACCATCGAACTGGAGCCCAACCGCCAGTTCACCCTGGCCAAGAAACAGTG
GGACAGTGTGGTCTGGAACGCATCGAGCAGGCATGTGACCCGGCCTGGAGCGCTGATGTGGCAGCTGTG
GTCATGCAGGAGGGCCTCGCCATGTCTGCTTAGTCACGCCAGCATGACCCTTACCCGTGCCAAGGTGG
AGGTGAACATCCCAGGAAACGGAAAGGCAACTGTTCCAGCATGACCGGGCCTTGGAGCGGTTCTATGA
ACAAGTGGTCCAGGCCATCCAGCGCCACATAAACTTTGAGGTTGTAAGTGCATTCTGGTGGCCAGCCCT
GGATTTGTGCGAGAGCAGTCTGCGATTACATGTTTCAACAAGCTGTGAAGACCGACAACAAGGTGCTCC
TGAAAAACCGCTCAAATTCCTTCAGGTACACGCCTCCTCTGGACACAAGTACTCCCTGAAAGAGGTCCT
ATGTGATCCTACTGTAGCGAGCCGCTTTTCAGACACGAAAGCTGCGGGGAAGTAAAAGCCTTGGATGAC
TTCTACAAAATGTTACAGCACGAACCTGACCGAGCATTCTATGGACTCAAGCAGGTGGAGAGGGCCAATG
AAGCCTTGGCGATTGACACCTTGCTCATCAGTGATGAGCTCTCCGGCATCAGGATGTGGCCACCCGGAG
CCGGTATGTCAGGCTGGTGGACAGTGTAAAGAGAATGCGGGCACCGTAAGGATATTCTCCAGTCTCCAC
GTGTCTGGGGAACAGCTTGGTCACTGACTGGAGTAGCTGCCATTCTCCGCTTCCCTGTGCCGAACTTT
CTGACCAAGAGGATGATTCAAGTCTGAAGAGGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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| | |
|-------------------------------|---|
| ACCN: | NM_001007634 |
| Insert Size: | 1158 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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_001007634.1</u> , <u>NP_001007635.1</u> |
| RefSeq Size: | 1550 bp |
| RefSeq ORF: | 1158 bp |
| Locus ID: | 294754 |
| UniProt ID: | <u>Q5XIP1</u> |
| Cytogenetics: | 2q14 |
| Gene Summary: | Required for normal chromosome segregation during cell division and genomic stability (By similarity). 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] |