

Product datasheet for SC114538

PELO (NM_015946) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PELO (NM_015946) Human Untagged Clone
Tag:	Tag Free
Symbol:	PELO
Synonyms:	CGI-17; PRO1770
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114538 sequence for NM_015946 edited (data generated by NextGen Sequencing) <pre> ATGAAGCTCGTGAGGAAGAACATCGAGAAGGACAATGCGGGCCAGGTGACCCTGGTCCCC GAGGAGCCTGAGGACATGTGGCACACTTACAACCTCGTGCAGGTGGGCGACAGCCTGCGC GCCTCCACCATCCGCAAGGTACAGACAGAGTCCTCCACGGGCAGCGTGGGCGACAACCGG GTCCGCACTACCCTCACTCTCTGCGTGGAGGCCATCGACTTCGACTCTCAAGCCTGCCAG CTGCGGGTTAAGGGGACCAACATCCAAGAGAATGAGTATGTCAAGATGGGGGCTTACCAC ACCATCGAGCTGGAGCCCAACCGCCAGTTCACCCTGGCCAAGAAGCAGTGGGATAGTGTG GTACTGGAGCGCATCGAGCAGGCCTGTGACCCAGCCTGGAGCGCTGATGTGGCGGCTGTG GTCATGCAGGAAGGCCTCGCCCATATCTGCTTAGTCACTCCCAGCATGACCCTCACTCGG GCCAAGGTGGAGGTGAACATCCCTAGGAAAAGGAAAGGCAATTGCTCTCAGCATGACCGG GCCTTGGAGCGGTTCTATGAACAGGTGGTCCAGGCTATCCAGCGCCACATACACTTTGAT GTTGTAAAGTGATCCTGGTGGCCAGCCAGGATTTGTGAGGGAGCAGTTCTGCGACTAC ATGTTTCAACAAGCAGTGAAGACCGACAACAACTGCTCCTGGAAAACCGGTCCAAATTT CTTCAGGTACATGCCTCCTCCGGACACAAGTACTCCCTGAAAGAGGCCCTTTGTGACCCT ACTGTGGCTAGCCGCCTTTCAGACACTAAAGCTGCTGGGGAAGTCAAAGCCTTGGATGAC TTCTATAAAATGTTACAGCATGAACCGGATCGAGCTTTCTATGGACTCAAGCAGGTGGAG AAGGCCAATGAAGCCATGGCAATTGACACATTGCTCATCAGCGATGAGCTCTTCAGGCAT CAGGATGTAGCCACACGGAGCCGGTATGTGAGGCTGGTGGACAGTGTAAAGAGAATGCA GGCACCCTTAGGATATTCTCTAGTCTTCACGTTTCTGGGGAACAGCTCAGCCAGTTGACT GGGGTAGCTGCCATTCTCCGCTTCCCTGTTCCCGAACTTTCTGACCAAGAGGGTGATTCC AGTTCTGAAGAGGATTAA </pre>

Clone variation with respect to NM_015946.4
 661 c=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015946 unedited
 CCCTAGGCTGCATGAGTCGAAGCAAGCGTGTTCCTTCCCAGGCAAGTGCCCTTAGA
 AACCGGGCCCCCGCCCTTCTGGCCTGCATTCCCATCCCTCTCCCGGGCGGAGGTGA
 GGACCTCCTTGGTTCTTTGGTTCTGTCAAGTGGGCGACAGCCTGCGCGCCTTCAACATC
 AGGAAGAACATCGAGAAGGACAATGCGGGCCAAGTGACCCTGGTCCCGAGGAGCCTGAA
 GACATGTGGCACACTTACAACCTCGTGCAAGTGGGCGACAGCCTGCGCGCCTTCAACATC
 CGCAAGGGACAGACAGAGTCCTCCACGGGCAGCGTGGGCAGCAACCGGGTCCGCACTACC
 CTCACTCTCTGTGTGGAGGCCATCGACTTCGACTCTCAAGCCTGCCANCTGCGGGTTAAG
 GGGACCAACATCCAANAGATGAGTATGTCAAGTGGGGGCTTACCACACCATCGAGCTGG
 AGCCCAACCGCAGTTCACCCTGGCCAAAAACANTGGGATAGTGTGGACTGGAGCGCATC
 NAGCAGGCCTGTGACCCACCTGNACGCTGATGTGCGGCTGTGGTATGCANGAAGCCTCGC
 CCATTTTGTCTTTCACTCCACATGACCTCACTCGGCCAAGTGGAGGTGGACATCCCTAG
 AAAAGGAAAGCAATTGTTTTACATGACCGGGCCTCGGACGGGTTTATAACAAGGGGTGAG
 GCTTTTCATCGCCATTCACTTTGATGTTGTAAGGCTTCTTGGGCCACCCACGATGGTG
 AGGGGGCAGTTTTGAATTCTTTTTAAAAACACGAAAACCAACCAACCGTCTGGGAAC
 CCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015946 unedited
 TTCCCATAGCTTGACCGCGCCGAATCTACGAGCGAGTTTTTTTTTTTTTTTTTTGTA
 GTACGTGGAGATTATTTCTTTTAGTTTATTGTTTAAATACATGTCTTGCCAATCACAAA
 ATATCTAGTGTAGCCAAAGACATAAGAAATCCCTGTATGAATCAAAAAGTGCCATTCTTG
 CAGCTTTCTGTACAAGGATGCTGAGAAATGACTGTAACAGTTTAGGAAACACAAGATT
 GTCTCAATTTTAAGTTTCAATCATTAACTCTTTCAGAACTGGAATCACCTCTTGGTCA
 GAAAGTTCGGGAACAGGGAAGCGGAGAATGGCAGCTACCCAGTCAACTGGCTGAGCTGT
 TCCCCAGAAACGTGAAGACTAGAGAATATCCTAACGGTGCCTGCATTCTTTCACTG
 TCCACCAGCCTCACATACCGGCTCCGTGTGGCTACATCCTGATGCCTGAAGAGCTCATCG
 CTGATGAGCAATGTGTCAATTGCCATGGCTTCATTGGCCTTCTCCACCTGCTTGAGTCCA
 TAGAAAGCTCGATCCGGTTCATGCTGTAACATTTATAGAAGTCCTTCAAGGCTTTGACT
 TCCCCAGCAGCTTTACTGTCTGAAAGGCGGCTAGCCACAGTAGGGTCACAAAGGGCCTCT
 TTCAGGGAGTACTTGTGTCGGGAGGAGCATGTACCTGACAAAATATGGACCGGATCTCC
 ACGAACAGCTTGTGCCCCGTCCTTACTGCTTTGCTGAACAACGTAATCTCAGAACTGGTC
 CCTCACAAATTCGGGCTTGCCCCCAGGAGCCCTTTACAACACCAAGTGTATGGCGCGC
 CTGCTAGCTGGACCACTGTATAAAAAACGCTCAAGGCCTGTTAGCTTGAACAATTGT
 TTTTATT

Restriction Sites:

NotI-NotI

ACCN:

NM_015946

Insert Size:

1650 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015946.4](#), [NP_057030.3](#)

RefSeq Size: 2941 bp

RefSeq ORF: 1158 bp

Locus ID: 53918

UniProt ID: [Q9BRX2](#)

Cytogenetics: 5q11.2

Domains: eRF1_1, eRF1_2, eRF1_3

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein which contains a conserved nuclear localization signal. The encoded protein may have a role in spermatogenesis, cell cycle control, and in meiotic cell division. [provided by RefSeq, Jul 2008]