

Product datasheet for **SC323871**

PELP1 (NM_014389) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PELP1 (NM_014389) Human Untagged Clone
Tag:	Tag Free
Symbol:	PELP1
Synonyms:	MNAR; P160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014389.1
 ATGGCGGCAGCCGTTCTGAGTGGGCCCTCTGCGGGCTCCGCGGCTGGGGTTCTGGCGGG
 ACCGGGGTCTCTCGGCAGTGAGCTCGGGCCCGCGGCTCCGCCTGCTGCTGGAGAGT
 GTTTCTGGTTTGCTGCAACCTCGAACGGGGTCTGCCGTTGCTCCGGTGCAATCCCCAAAC
 CGCTCGGCCCCACATTTGCCCGGGCTCATGTGCCTATTGCGGCTGCATGGGTGCGTGGGC
 GGGGCCAGAACCTTTCAGCTCTTGGGGCATTGGTGTGAGTCTCAGTAATGCACGTCTCAGT
 TCCATCAAACCTCGGTTTGAGGGCTGTGTCTGCTGTCCCTGCTGGTAGGGGAGAGCCCC
 ACAGAGCTATTCCAGCAGCACTGTGTCTTGGCTTCGGAGCATTGAGCAGGTGTTACAG
 ACCCAGGACCCGCTGCCACAATGGAGCTGGCCGTGGCTGTCCTGAGGGACCTCCTCCGA
 TATGCAGCCCAGCTGCCTGCACTGTTCCGGGACATCTCCATGAACCACCTCCCTGGCCTT
 CTCACCTCCCTGCTGGGCTCAGGCCAGAGTGTGAGCAGTCAGCATTGGAAGGAATGAAG
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 TGCCTAGGGCTCATGCTCAGCTGTGAGTTTGGAGCTCCCGTGTCCGTCCCTGTGCAGGAA
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 GTTTGTGGGGCTCGGCGGGAATGCTTCAGGGAGGAGCCTCTGGAGAGGCCCTGCTCACC
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 AGCCCTGATGGGAGTTTGCAGACTGGGAAGCCTAGCGCCCCAAGAAGCTAAAGCTGGAT
 GTGGGGGAAGCTATGGCCCCCAAGCCACCGGAAAGGGGATAGCAATGCCAACAGCGAC



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GTGTGTGCGGCTGCACTCAGAGGCTCAGCCGGACCATCCTCATGTGTGGGCTCTCATC
AAGGAGGAGACTCACAGGAGACTGCATGACCTGGTCTCCCTGGTCATGGGTGTACAG
CAGGGTGAGGTCCTAGGCAGCTCCCGTACACGAGCTCCCGTCCCGCTGAACTCTAC
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CCCCAACCTGTTGGAAGAGGAGACTGAGGATGGGAGTGACAAGGTGCAGCCCCACCA
GAGACACCTGCAGAAGAAGAGATGGAGACAGAGACAGAGGCCGAAGCTCTCCAGAAAAG
GAGCAGGATGACACAGCTGCCATGCTGGCCGACTTCATCGATTGTCCCCCTGATGATGAG
AAGCCACCACCTCCACAGAGCCTGACTCCTAGCCATCTTCTGCACCCCACTCTTTGTTT
CCAATAAAGTTATGTCTTAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

ECoRI-NOT

ACCN:

NM_014389

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014389.1</u> , <u>NP_055204.1</u>
RefSeq Size:	3393 bp
RefSeq ORF:	3393 bp
Locus ID:	27043
UniProt ID:	<u>Q8IZL8</u>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	<p>This gene encodes a transcription factor which coactivates transcription of estrogen receptor responsive genes and corepresses genes activated by other hormone receptors or sequence-specific transcription factors. Expression of this gene is regulated by both members of the estrogen receptor family. This gene may be involved in the progression of several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by the available transcript data, and by conservation in primates.</p>