

## Product datasheet for **SC108300**

### **PNO1 (NM\_020143) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PNO1 (NM_020143) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNO1
Synonyms:	KHRBP1; RRP20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020143, the custom clone sequence may differ by one or more nucleotides

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ATGGAATCCGAAATGAAACGCAGAGCGCCAGGGCAGAGGAGGGCTTTACCCAGGTCACCCGCAAGGGTG
GCCGACGGGCGAAGAAACGACAGGCTGAACAGCTGTCCGACGAGGAGGGCGGGGATGCGGGCCGCAT
GGACACAGAGGAGGCCAGGCCGGCGAAGAGGCCCGTCTTCCCACCCCTGTGGGGACGGGCTCCTGAGT
GGGAAAGAAGAAACAAGGAAATTCAGTCCCAGCTAACAGATACACACCATTGAAAGAAAAGTGGATGA
AGATATTTACTCCTATTGTGGAACATTTGGGACTTCAGATACGCTTTAACTTGAAATCAAGGAATGTAGA
AATCAGGACTTGTAAAGAAACCAAGGATGTTAGTGCTCTGACAAAAGCAGCTGATTTTGTGAAAGCTTTT
ATTCTCGGCTTTTCAGGTGGAGGATGCCTTGCCTCATCAGGTTGGATGACCTTTCCTAGAGTCTTTTG
AAATTACAGATGTTAAACCCCTAAAGGGAGACCATCTATCCAGGCAATAGGAAGAATCGCTGGCAAAGG
AGGAAAAACCAAATTCACCATAGAGAATGTGACACGGACAAGGATAGTTTTGGCTGATGTGAAAGTTCAC
ATCCTTGGCTCCTTCCAAAATATCAAGATGGCAAGAACTGCCATTTGCAACCTAATCTTGGGAAATCCTC
CTTCCAAGGTTTATGGCAATATTCGAGCTGTGGCTAGCAGATCAGCAGATCGATTCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020143 unedited            AGCATTGTATACGACTCACTATTAGGGCGGCCGCGATTCCGGCACGAGGCGAAATGGAAA            CGCAGAGCGCCAGGGCAGAGGAGGGCTTTACCCAGGTCACCCGCAGGGTGGCCGACGGGC            GAAGAAACGACAGGCTGAACAGCTGTCCGCAGCAGGAGAGGGCGGGGATGCGGGCCGCAT            GGACACAGAGGAGGCCAGGCCGGCGAAGAGGCCGTCTCCACCCTCTGTGGGGACGG            GCTCCTGAGTGGGAAAGAAGAAACAAGGAAAATCCAGTCCCAGCTAACAGATACACACC            ATTGAAAGAAAACCTGGATGAAGATTTTACTCCTATTGTGGAACATTTGGGACTTCAGAT            ACGCTTTAACTTGAAATCAAGGAATGTAGAAATCAGGACTTGTAAGAAACCAAGGATGT            TAGTGCTCTGACAAAAGCAGCTGATTTTGTGAAAGCTTTTATTCTCGGCTTTCAGGTGGA            GGATGCACTTGCCTCATCAGGTTGGATGACCTTCTCCTAGAGTCTTTGAAATTACAGA            TGTAAACCCCTAAAGGGAGACCATCTATCCAGGGCAATAGGAAGAATCGCTGGCAAAGG            AGGAAAAACCAATTCACCATAGAGAATGTGACACGGACAAGGATAGTTTTGGCTGATGT            GAAAGCTCACATCCTTGGCTCTTCCAAAATATCAAGATGGCAAGAACTGCCATTTGCAA            CCTAATCTTGGGAATCCTTCTCCAGGTTTATGGCATATTCGAGCTGTGGCTAGCAGATC            AACAGATCGATTCTGATTTCAAGTCAGAGACTTTTTATCTTGCCTTTGGACTCTGGTGAA            AAAACTCTACAGTGGTCCGTACAAAAACAGCTCGACAATTTTATCCATTTGAAGCCTC            CGTCCCTTCTCCTCTTCCAGCCGAGCTTAACAGAAAGAAGATT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020143 unedited            GCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT            TTTTTTTTTTTTTTTTTTTTTTCCGGGGAGGGAGGTTTTTATTTTTTGAAGTGCAAAAA            ACTGCAAAACAGGTTCCAAAAAGACCTTTTACTGATGTTTAGGGTATAAACGGTTGGGC            CAAAACCACTGTTTATGACCTTTAAAATTTTACACATAAAGGCCAGGCCAGGGGTTTA            TCCTGTAAATCCACCCTTTTGGGAGGCTGAGGCGGACGGATCCTTTGAGCCAGAATTT            AAAAACCCCTGGTAAACATGGGAAAACCCCTTTTTTACAAAAAATACAAAAATTTAC            CCAGGCTTGGGGGGGCATACCTGTATCCCCACCTCCTAGGGAGGCTGAACCAGGAGGATC            ACTTGAACCTCAGGAGGCAAAGGCTGCAGGGACCTGAAATTGCCCACTGCCCTTACCCT            GGGGGACAAGGGAAACCTGTTTGCCAACAACAATTTTCCCCCTTCCCCATTTTTTA            AGGAAGGTCCTTTTCAAAAAGGTTTTTCTGAAATAATCTTTTAAATTTCAATTTATAA            AAAAAGGTTTATAAATTTGGTATGAAGTTTTAAATTTATAAATATAAAAGTTTAAATCCT            ATAGAGCTGTTTAAACAAGAAGTTTCCCTCTGAAAGGATTACAACTATGCATTCTGCTA            CATGGGATTTCAAATAAAGATAAATTATCCCTATGGGGTTAAGCATAACAATCAATTTTT            GATTTTTAAATTTTCTAAACCCTGTTGAGGGGAACCCCTCTAAATCTTTCTTTCTGTT            TATGCTCGGGCTGAAAAAGAAAAAGGGACGGGCTTTAAAGACTGAAATTGTCACCTGG            TTTTGGACCGACCTGTAAAGTTTTTCCCAAGTCCAAGGACAATAAAGTTCTTGCTT            GAAACAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020143
<b>Insert Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_020143.2](#), [NP\\_064528.1](#)

**RefSeq Size:** 1994 bp

**RefSeq ORF:** 759 bp

**Locus ID:** 56902

**UniProt ID:** [Q9NRX1](#)

**Cytogenetics:** 2p14

**Domains:** KH

**Gene Summary:** Positively regulates dimethylation of two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA (PubMed:25851604).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.