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Product datasheet for SC320754

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_020143.2
TGGCTTCTGCGTGGTGCAGCTGCGCACGTGTTTCAGCCGGCAGCGCTTTAAGATTTCCGG
GGATGGAATCCGAAATGGAAACGCAGAGCGCCAGGGCAGAGGAGGGCTTTACCCAGGTCA
CCCGCAAGGGTGGCCGACGGGCGAAGAAACGACAGGCTGAACAGCTGTCCGCAGCAGGAG
AGGGCGGGGATGCGGGCCGCATGGACACAGAGGAGGCCAGGCCGGCGAAGAGGCCCGTCT
TCCCACCCCTCTGTGGGGACGGGCTCCTGAGTGGGAAAGAAGAAACAAGGAAAATTCCAG
TCCCAGCTAACAGATACACACCATTGAAAGAAAACTGGATGAAGATATTTACTCCTATTG
TGGAACATTTGGGACTTCAGATACGCTTTAACTTGAAATCAAGGAATGTAGAAATCAGGA
CTTGTAAAGAAACCAAGGATGTTAGTGCTCTGACAAAAGCAGCTGATTTTGTGAAAGCTT
TTATTCTCGGCTTTCAGGTGGAGGATGCACTTGCCCTCATCAGGTTGGATGACCTCTTCC
TAGAGTCTTTTGAAATTACAGATGTTAAACCCCTAAAGGGAGACCATCTATCCAGGGCAA
TAGGAAGAATCGCTGGCAAAGGAGGAAAAACCAAATTCACCATAGAGAATGTGACACGGA
CAAGGATAGTTTTGGCTGATGTGAAAGTTCACATCCTTGGCTCCTTCCAAAATATCAAGA
TGGCAAGAACTGCCATTTGCAACCTAATCTTGGGAAATCCTCCTTCCAAGGTTTATGGCA
ATATTCGAGCTGTGGCTAGCAGATCAGCAGATCGATTCTGATTTCAAGTCAGAGACTTTT
TATCTTGCCTTTGGACTCTGGTGAAAAATACTTTACAGTGGTCGGTCACAAGAAACCAGC
TGAACAATTTCAGTCATTTGAAGCCTCCGTCCCTTCTTCCATTCTCAGCCAGAAGCATAA
ACAGAAAAGAAAGATTTAAGAGGATTCACACTCAACAGGTTTTAGGATAATTTAAATATC
AAAAATTGATTGTTATACTTAACACATTAGGTATAATTTATCATTTATCTGAAATCACAT
GTAGCAGATTGCATAGTCTGTAATCCTCTCAGAGGGAAACTTCTTGTTTAAACAGCTCTA
TATGGATTTATACTTTTATATTTATAAATTTATAACTTCATACAAATTTATAAACATTTC
TTTATAAATTGTAATTTAATAGATTATCTCAGAAAAACCTCTCTGAATGATGACCCTTCC
TTAATACTGGGTGATGTGTGAATATTTGTTTGTTGGCAGACAGGGTCTCACTTTGTCACC
CAGGCTAGAGTGCAGTGGTGCAATCTCAGCTCACTGCAGCCTCTGCCTCCTGAGTTCAAG
TGATCCTCCTGCTTCAGCCTCCCTAGTAGCTGGGACTACAGGTATGCACCACCATGCCTG
GCTAATTTTTTGTATTTTTTGTAGAGATGGGGTTTCGCCATGTTGACCAGGCTGGTCTTG
AACTCCTGGCCTCAAGGGATCCGTCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCA
TAAGCCACTGCGCCTGGCCTTGATGTGTGAATATTTGAGAGGTCATAAGCAGTGGTTTTG
GCCATACCGTATTATACCATATACATCAGTAAGAGCTCATCTTGGAACCTGTTTTGCAGT
TTCTTGCAGTTTCAAAAATTAAAGACCTACATCACAGGGTTAATGTGAAGAAAGCTTTAT
TTTTCAAATGAGTATTTAATGAAAGTATACATAACCAATGTTGGGTATACAGATGCTTCT
CAACTTATGATGGGTTTAGGTCCAGATAAGCCCACTGTGAGTTGAAAATACCAAAAGTCA
AACATCATAGCTTAGCCTACCTTAAAAGGGCTCCGAACACTACATTAGCCTACAGTTGGG
CAAAATCGTCTAATACAAAGCCTATTTTATAATAAAGTATGTTGAATATCTCATGTAAAA
AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_020143

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).

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:	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.