

Product datasheet for **SC116230**

PIN4 (NM_006223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIN4 (NM_006223) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIN4
Synonyms:	EPVH; PAR14; PAR17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006223, the custom clone sequence may differ by one or more nucleotides

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ATGCCCATGGCGGGCTTCTAAAGGGCTTGTACGGCAACTGGAGCGGTTGAGCGTTCAACAACAAGCTT  
CCAAGATGCCGCCAAAGGAAAAAGTGGTCTGGAAAAGCGGGAAAGGGGAGCAGCCTCTGGGAGTGA  
CAGTGCTGACAAGAAGGCTCAAGGTCCCAAAGGTGGTGGCAATGCAGTAAAGGTCAGACACATTCTATGT  
GAAAAACATGGCAAAATCATGGAAGCCATGAAAAAGTTAAAGTCTGGGATGAGATTCAATGAAGTGGCCG  
CACAGTATAGTGAAGATAAAGCCAGGCAAGGGGGTACTGGGTTGGATGACCAGAGGGTCCATGGTGGG  
ACCATTTCAAGAAGCAGCATTTCCTTGCCTGTAAGTGGGATGGATAAGCCTGTGTTACAGACCCACCG  
GTTAAGACAAAATTTGGATATCATATTATTATGGTGAAGGAAGAAAATAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006223 unedited  
CACGAGGCAAGCTTCCAAAATGCCGCCAAAGAAAAATGGTCTGNGAAAAGCGGGGAAA  
GGGGGAGCAGCCTCTGGGAGTGACAGTGCTGACAAGAAGGCTCAAGGTCCCAAAGTGGT  
GGCAATGCAGTAAAGGTCAGACACATTCTATGTAAAAACATGGCAAAATCATGGAAGCC  
ATGAAAAAGTTAAAGTCTGGGATGAGATTCAATGAAGTGGCCGACAGTATAGTGAAGAT  
AAAGCCAGGCAAGGGGGTACTTGGGTTGGATGACCAGAGGGTCCATGGTGGGACCATTT  
CAAGAAGCAGCATTTGCCTTGCCTGTAAGTGGGATGGATAAGCCTGTGTTACAGACCCA  
CCGGTTAAGACAAAATTTGGATATCATATTATTATGGTGAAGGAAGAAAATAAAATCAT  
ATGAAAGACTGAAAAAATAAAAAAATAAAAACTCGACTCTAGATTGCGGCCGCGGTCAAGC  
TGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGC  
CCTGGAAGTTGCCACTCCAGTGGCCACCAGCCTTGCCTAATAAAATTAAGTTGCATATT  
TTGTCTGACTAGGTGT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006223 unedited ATGGACCCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCAGTCTTTCATA TGATTTTATTTTCTTCTTCGACCATAAATAATGATATCCAAATTTTGTCTTAACCGGT GGGTCTGTAAACACAGGCTTATCCATCCCACTTACAGGCAAGGCAAAATGCTGCTTCTTGA AATGGTCCCACCATGGACCCTCTGGTCATCCAACCCAAGTCACCCCTTGCCTGGCTTTA TCTTCACTATACTGTGCGGCCACTTCATTGAATCTCATCCCAGACTTTAACTTTTCCATG GCTTCCATGATTTTGCCATGTTTTTACATAAAAATGTGTCTGACCTTTACTGCATTGCCA CCACCTTTGGGACCTTGAGCCTTCTTGTGAGCACTGTCACTCCCAAAGGCTGCTCCCCCT TTCCCGCTTTTCCAAAACCACTTTTTCTTTGGGCGGCATCTTGGAAGCTTGCCTCGTG CCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTCACTAAAACG AGCTCTGCTTATATAGACCTCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGC GGGGTTATTACGACATTTTGAAAGTCCCCTTGATTTTGGTGCCAAAACAACTCCCATT GACGTCAATGGCGTGGAGACTTGGAAAACCCCGTGAGTCAAACCGCTATACACCCCAT GGTGTACTGCCAAAACCGTTTACCCATGGTAAAGCGATGACTAAAACCCAAATCTCTGC CCCATCAGGAAACCCCTAAGGCCATGCACTGGGCCTAATGCCAGGGGGCCCATCTACC CCAATTGCCCCCATAGGGGGCCGAACCTGCCATAGAACCATTTACGTACTGTACCGGGG CCTCCACCTTAAATCCTCCCTCGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_006223
Insert Size:	430 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:	NM_006223.1 , NP_006214.1
RefSeq Size:	1331 bp
RefSeq ORF:	396 bp
Locus ID:	5303
UniProt ID:	Q9Y237
Cytogenetics:	Xq13.1
Domains:	Rotamase

Gene Summary:

This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome biogenesis. The encoded protein may play an additional role in the mitochondria. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (1) encodes 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 start at a downstream alternate in-frame start codon that is supported by conservation data.