

Product datasheet for **SC118515**

Pinin (PNN) (NM_002687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pinin (PNN) (NM_002687) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pinin
Synonyms:	DRS; DRSP; memA; SDK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002687, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTGCGCCGTGAGAACTTTCAGGAACAGCTGGAAAAGCCAAAGAGAGTCTTAAGAACGTGGATG
AGAACATTCGCAAGCTCACCGGGCGGGATCCGAATGACGTGAGGCCCATCCAAGCCAGATTGCTGGCCCT
TTCTGGTCTGGTGGAGGTAGAGGACGTGGTAGTTTATTACTGAGGCGTGGATTCTCAGATAGTGGAGGA
GGACCCCGCCAAACAGAGAGACCTTGAAGGGCAGTCAGTAGGCTGGGCGGGGAGCGTCGGACCAGAA
GAGAATACGCCAGGAAAAGCGACCCGGAGGATGATGATGTTAAAAAGCCAGCATTGCAGTCTTCAGTTGT
AGCTACCTCCAAAGAGCGCACACGTAGAGACCTTATCCAGGATCAAAATATGGATGAAAAGGGAAAGCAA
AGGAACCGGCGAATATTTGGCTTGTGATGGGTACCCCTCAAAAAATTAACAAGAATCCACTGTTGCTA
CTGAAAGGCAAAAGCGGCCAGGAAATGAACAAAACTTGAAGTTCAGGCAGAAGAAGAGAGAAAAGCA
GGTTGAAAATGAAAGGAGAGAACTGTTTGAAGAGAGGCGTCTAACAGACAGAACTGCGGCTTTTGAA
CAGAAAGTTGAGCTTGCAGCAGTCAAGAAGAATGGAATGAACATAATGCCAAAAAATTAATATATAA
GAACTAAGACAAAGCCCATTTGTTTTATTCCTGGAAGAATGTGTCCAGCTACCCAAAACTAATAGA
AGAGTCACAGAGAAAAATGAACGCTTTATTTGAAGGTAGACGCATCGAATTTGCAGAACAAATAAATAA
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CAACCACTACTCCAGTCCAGCCTCCCTCTCAGCCTGAGGATTTGTCATTAGCTGTTTTACAGCCAAACAC
CCCAAGTTACTCAGGAGCAAGGGCATTACTACCTGAGAGGAAGGATTTTCTGTAGAGTCTGTAACCT
CACTGAGGTACCAGTAGAGCCAGTCTTGACAGTACATCCAGAGAGCAAGAGCAAAACCAAACTAGGAGC
AGAAGTAGAGGTGAGCTAGAAATAAAACAAGCAAGAGTAGAAGTGAAGCAGTAGCAGTAGCAGTTCTA
GTAGCAGTTCAACCAGTAGCAGCAGTGAAGTAGTCCAGCAGTGAAGTAGTAGCAGTCGCAGTAGTTC
CAGTAGCAGTCCAGTACAAGTGGCAGCAGCAGAGATAGTAGCAGTAGCACTAGTAGTAGTAGTGAG
AGTAGAAGTCGGAGTAGGGCCGGGACATAATAGAGATAGAAAGCACAGAAGGAGCGTGGATCGGAAGA
GAAGGGTACTTCAGGACTAGAAAGAAGTCACAAATCTTCAAAGGTGGTAGTAGTAGAGATACAAAAGG
ATCAAAGGATAAGAATCCCGGTCCGACAGAAAGAGGTCTATATCAGAGAGTAGTCGATCAGGCAAAAGA
TCTTCAAGAAGTGAAAGAGACCGAAAAATCAGACAGGAAAGACAAAAGGCGTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002687 unedited
 ATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGCCTGCCGACGGGAGAAGAT
 GGCGGTGCGCCGTGAGAACTTTGCAGGAACAGCTGGAAAAGGCCAAAGAGAGTCTTAAGAA
 CGTGGATGAGAACATTCGCAAGCTACCCGGGCGGGATCCGAATGACGTGAGGCCCATCCA
 AGCCAGATTGCTGGCCCTTTCTGGTCTGGTGGAGGTAGAGGACGTGGTAGTTTATTACT
 GAGGCGTGGATTCTCAGATAGTGGAGGAGACCCCAAGCAACAGAGAGACCTTGAAGG
 GGCAGTCAGTAGGCTGGGCGGGAGCGTCGGACCAGAAGAGAATCACGCCAGGAAAGCGA
 CCCGGAGGATGATGATGTTAAAAAGCCAGCATTGCAGTCTTCAGTTGTAGCTACCTCCAA
 AGAGCGCACACGTAGAGACCTTATCCAGGATCAAATATGGATGAAAAGGAAAGCAAAG
 GAACCGCGCAATATTTGGCTTGTGATGGGTACCCTTCAAAAATTTAAACAAGAATCCAC
 TGTTGCTACTGAAAGGCAAAAGCGGCGCCAGGAAATTGAACAAAACTTGAAGTTCAGGC
 AGAAGAAGAGAGAAAGCAGGTTGAAAATGAAAGGAGAGAAGTGTGAAAGAGAGGCGTGC
 TAAACAGACAGAACTGCGGCTTTTGAACAGAAGTTGAGCTTGCAGCTGCAAGAAGAA
 ATGGATGAACANTATGCCAANNATATTAATATATAAGAACTAAGACCAAGCCCCATTT
 GTTTATATTCCTGGAAGAAATGTGTCCAGCTACCCAAAATATNGGAAGAGTCCAGAGAA
 AATGAACGCTATTTTGAAGTAGACGCATCGAATTTGCAGACAAATAAANATGNNAGG
 CTGNCCTAGAGAACATCATGGAGGAAAGAGCTCAGGTGGTGCATGAGAACCAGGCGA
 CAATAAGGTGAGGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002687 unedited
 GGCCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTGGTAAACAAACAGTCTGTATTT
 TCCAAAAAGATTTTTACAACATGCAATTCCTTAAGGCAGCATCCTCTTTACAAGGAAAGG
 TAATCCTTTTTTATCAAGAAATCTTCTGCTGCAAAGAATGGCTAAGAAAGCCTGGCTTCT
 TCCATTAACGCCTTTTGTCTTCTGTCTGATTTTCGGTCTCTTTCACCTCTTGAAGATC
 TTTTGCCTGATCGACTACTCTCTGATATAGACCTTTTCTGTCGGACCGGAAATCTTAT
 CCTTTGATCCTTTGTATCTCTACTACTACCACCTTTTGAAGATTTGTGACTTCTTTCTA
 GTCCTGAAGTATCCCTTCTTCCGATCCACGCTCCTTCTGTGCTTTCTATCTCTATTAT
 GTCCCCGGCCCTACTCCGACTTCTACTCTCACTACTACTAGTGCTACTGCTACTAT
 CTCTGCTGCTGCCACTTGTACTGGAGCTGCTACTGGAAGTACTGCGACTGCTACTAC
 TTCCACTGCTGGAAGTACTTCCACTGCTGCTACTGGTTGAACTGCTACTAGAAGTCTAC
 TGCTACTGCTTCGACTTCTACTCTTGTCTTGTATTTTCTAGCTCGACCTCTACTTCTGC
 TCTAGTTTTGGTTTTGCTCTTGTCTCTGAATGTACTGTCAAGACTGGCTCTACTGGTA
 CCTCAGTGAGTTTTACAGACTCTACAGGAAAATCCCTCCTCTCANGTAGTAAATGCCCT
 GCTCCTGAGTAACTGGGGGTGTGGCTGTTAAACAGCTAATGACAAATCCTCCAGCTGAA
 AAGGGAGCCTGGACTGGATTACTGGTTGGGACTGGGATTGAACCTGAACCTGGGGCTGAN
 ACTGNNAGCTGAGTTGAGCCACAGCCTCAGTTGGGGCTANATTCTTTCTCTTACCT
 AAACCTCTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_002687

Insert Size:

2380 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_002687.2 , NP_002678.2
RefSeq Size:	3606 bp
RefSeq ORF:	3606 bp
Locus ID:	5411
UniProt ID:	Q9H307
Cytogenetics:	14q21.1
Domains:	pinin_SDK_memA, pinin_SDK_N
Protein Families:	Stem cell - Pluripotency, Transcription Factors
Gene Summary:	<p>Transcriptional activator binding to the E-box 1 core sequence of the E-cadherin promoter gene; the core-binding sequence is 5'CAGGTG-3'. Capable of reversing CTBP1-mediated transcription repression. Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Participates in the regulation of alternative pre-mRNA splicing. Associates to spliced mRNA within 60 nt upstream of the 5'-splice sites. Component of the PSAP complex which binds RNA in a sequence-independent manner and is proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets. Involved in the establishment and maintenance of epithelia cell-cell adhesion. Potential tumor suppressor for renal cell carcinoma.[UniProtKB/Swiss-Prot Function]</p>