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Product datasheet for SC100964

PODN (NM_153703) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PODN (NM_153703) Human Untagged Clone
Tag:	Tag Free
Symbol:	PODN
Synonyms:	PCAN; SLRR5A
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_153703, the custom clone sequence may differ by one or more nucleotides

ATGGAAGGAGCCCGAGCCCGCGGAGCGCAGCTGAGACTGGGGGAGCGCGTTCGGCCTGTGGGGCGCCGCT
CGGCGCCGGGGCGCAGCAGGTTCCGTCAGCCCTGGCGCCCAGGCGCATCTGACTCGGCACCCCCTGCAGG
CACCATGGCCCAGAGCCGGGTGCTGCTGCTCCTGCTGCTGCTGCCGCCACAGCTGCACCTGGGACCTGTG
CTTGCCGTGAGGGCCCCAGGATTTGGCCGAAGTGGCGGCCACAGCCTGAGCCCCGAAGAGAACGAATTTG
CGGAGGAGGAGCCGGTGCTGGTACTGAGCCCTGAGGAGCCCGGGCCTGGCCCAGCCGCGGTCAGCTGCCC
CCGAGACTGTGCCTGTTCCCAGGAGGGCGTCGTGGACTGTGGCGGTATTGACCTGCGTGAGTTCCCGGGG
GACCTGCCTGAGCACACCAACCACCTATCTCTGCAGAACAACCAGCTGGAAAAGATCTACCCTGAGGAGC
TCTCCCGGCTGCACCGGCTGGAGACGCTGAACCTGCAAAACAACCGCCTGACTTCCCGAGGGCTCCCAGA
GAAGGCGTTTGAGCATCTGACCAACCTCAATTACCTGTACTTGGCCAATAACAAGCTGACCTTGGCACCC
CGCTTCCTGCCAAACGCCCTGATCAGTGTGGACTTTGCTGCCAACTATCTCACCAAGATCTATGGGCTCA
CCTTTGGCCAGAAGCCAAACTTGAGGTCTGTGTACCTGCACAACAACAAGCTGGCAGACGCCGGGCTGCC
GGACAACATGTTCAACGGCTCCAGCAACGTCGAGGTCCTCATCCTGTCCAGCAACTTCCTGCGCCACGTG
CCCAAGCACCTGCCGCCTGCCCTGTACAAGCTGCACCTCAAGAACAACAAGCTGGAGAAGATCCCCCCGG
GGGCCTTCAGCGAGCTGAGCAGCCTGCGCGAGCTATACCTGCAGAACAACTACCTGACTGACGAGGGCCT
GGACAACGAGACCTTCTGGAAGCTCTCCAGCCTGGAGTACCTGGATCTGTCCAGCAACAACCTGTCTCGG
GTCCCAGCTGGGCTGCCGCGCAGCCTGGTGCTGCTGCACTTGGAGAAGAACGCCATCCGGAGCGTGGACG
CGAATGTGCTGACCCCCATCCGCAGCCTGGAGTACCTGCTGCTGCACAGCAACCAGCTGCGGGAGCAGGG
CATCCACCCACTGGCCTTCCAGGGCCTCAAGCGGTTGCACACGGTGCACCTGTACAACAACGCGCTGGAG
CGCGTGCCCAGTGGCCTGCCTCGCCGCGTGCGCACCCTCATGATCCTGCACAACCAGATCACAGGCATTG
GCCGCGAAGACTTTGCCACCACCTACTTCCTGGAGGAGCTCAACCTCAGCTACAACCGCATCACCAGCCC
GCAGGTGCACCGCGACGCCTTCCGCAAGCTGCGCCTGCTGCGCTCGCTGGACCTGTCGGGCAACCGGCTG
CACACGCTGCCACCTGGGCTGCCTCGAAATGTCCATGTGCTGAAGGTCAAGCGCAATGAGCTGGCTGCCT
TGGCACGAGGGGCGCTGGTGGGCATGGCTCAGCTGCGTGAGCTGTACCTCACCAGCAACCGACTGCGCAG
CCGAGCCCTGGGCCCCCGTGCCTGGGTGGACCTCGCCCATCTGCAGCTGCTGGACATCGCCGGGAATCAG
CTCACAGAGATCCCCGAGGGGCTCCCCGAGTCACTTGAGTACCTGTACCTGCAGAACAACAAGATTAGTG
CGGTGCCCGCCAATGCCTTCGACTCCACGCCCAACCTCAAGGGGATCTTTCTCAGGTTTAACAAGCTGGC
TGTGGGCTCCGTGGTGGACAGTGCCTTCCGGAGGCTGAAGCACCTGCAGGTCTTGGACATTGAAGGCAAC
TTAGAGTTTGGTGACATTTCCAAGGACCGTGGCCGCTTGGGGAAGGAAAAGGAGGAGGAGGAAGAGGAGG
AGGAGGAGGAAGAGGAAACAAGATAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153703 unedited
TTCAAATATTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGAAACAAC
CGCCTGACTTCCCGAGGCTCCCAGAGAAGCGTTTGAGCATCTGACCAACCTCAATTACCT
GTACTTGGCCAATAACAAGCTGACCTTGGCACCCCGCTTCCTGCCAAACGCCCTGATCAG
TGTGGACTTTGCTGCCAACTATCTCACCAAGATCTATGGGCTCACCTTTGGCCAGAAGCC
AAACTTGAGGTCTGTGTACCTGCACAACAACAAGCTGGCAGACGCCGGGCTGCCGGACAA
CATGTTCAACGGCTCCAGCAACGTCGAGGTCCTCATCCTGTCCAGCAACTTCCTGCGCCA
CGTGCCCAAGCACCTGCCGCCTGCCCTGTACAAGCTGCACCTCAAGAACAACAAGCTGGA
GAAGATCCCCCCGGGGGCCTTCAGCGAGCTGAGCAGCCTGCGCGAGCTATACCTGCAGAA
CAACTACCTGACTGACGAGGGCCTGGACAACGAGACCTTCTGGAAGCTCTCCAGCCTGGA
GTACCTGGATCTGTCCAGCAGCAACCTGTCTCGGGTCCCAGCTGGGCTGCCGCGCAGCCT
GGTGCTGCTGCACTTGGAGAAGAACGCCANTCCGGAGCGTGGACGCGAATGTGCTGACCC
CCATCCGCAGCCTGGAGTACCTGCTGCTGCACAGCAACCAGCTGCGGGAGCAGGGCATCC
ACCCACTGGCCTTCCAGGCCTCAAGCGGTTGCACACGGTGCACCTGTACACAACGCGCTG
NAGCGCGTGCCCAGTGGCCTGCCTNGNCGCGTGCGCACCCTCATGATCCTGCACACCAGA
TCACAGCATTGGCCGCGAAGAACTTCCACCACTACTTNCTGNAGAGACTAACCTACTACA
ACCGATACAGCCCCGAGTGCACCGNGAGCCTTCGCAGCTGNGCTGCTGGCTGCTGGACTG
TCGGCAACGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153703 unedited
NTTTTTGGAAATGCTAAGGAACCGCGGCCGCAANCTAGNGATCGATTTTTTTTTTTTTTT
TTTGATAGGGATAATGCTTTTATATTAGTTTTTCTATAACAAGAAAAACAGCTTTGAGAT
TTTTATCATTTTTTTCCTTAGAAAAGAATAAAAAATAAAGGCACCTGGAACTTCCCCCAC
AGGCCTGAAGAACAAAGGTGTCTCCTAGGTGCAGCTGGGTCCTTCCTCCCTGGCTCAGCC
CAGCCCCATCACCTCTGCTTCACTCCTGCCCCAAGGCCCCAGCAGCACCCAGGGGGCTCT
CCCATCCTGCCTCCACTGGGCTTGCCCATTGGAAAAGTGCCTGTGTCCTGCCAGGGCGTG
GCAGGGAGGGACTCTTAGCAGAGTGACTGCCCAGCACCTGGAGGAGCAGGGTGGGCCAGG
CCAGGCCAGCAGTCCTGAAGGCTCCTGTCCCCATAGGATGGGAAAGGAATAAAAGCCAGC
TTTTGTGAGTTCCAGAGGGTGGCAGGCACCTGGCCACAGAGCATGGATACCCTTGTGTCT
TCTCCAGGGAACGGACGGACAGATGGACAGGGCAGACGGCGAGCTGCTATGGCTGATTCT
GGCTGGGGCAAGAGCTGTCTGTGGCATAAGCTTTGGAGGGCTGTTCCCACATGACTTGTG
CATGTGTGTGTGTGTGCGTGAGCAAAACCCATAGCCATAGGGAAAGCATGACAGGTTTAG
GAGCCCTGAAGCGCCAAAATAGCAATCACACATACCCCAACCGGGGTACCGAAGACGAAG
GGGAAGGACACGGAACGAACCGAGGACCCCACAAAAGACCACCCCGGGGACAGCTGGAGG
TGTGGANGCGAACACAAGANAGAAAAGAAGCGACATAGCAATCTAGTCGTTAAGATGTGT
GACGCGACACCGCTGCTAAGCGGTGTCGTACGGAGTCAACACCACAAGAG

Restriction Sites: NotI-NotI

ACCN: NM_153703

Insert Size: 2750 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:	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_153703.2, NP_714914.1
RefSeq Size:	3180 bp
RefSeq ORF:	3180 bp
Locus ID:	127435
UniProt ID:	Q7Z5L7
Cytogenetics:	1p32.3
Domains:	LRR, LRR_TYP, LRR_BAC, LRR_PS
Protein Families:	Secreted Protein
Gene Summary:	The protein encoded by this gene is a member of the small leucine-rich repeat protein family and contains an amino terminal CX3CXCX7C cysteine-rich cluster followed by a leucine-rich repeat domain. Studies suggest that this protein could function to inhibit smooth muscle cell proliferation and migration following arterial injury. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (1) encodes the longest isoform (1).