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Product datasheet for SC331238

PODN (NM_001199081) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PODN (NM_001199081) Human Untagged Clone

Tag: Tag Free

Symbol: PODN

Synonyms: PCAN; SLRR5A

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331238 representing NM_001199081.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAAGGCGAGGAGGCAGAACAGCCTGCCTGGTTCCGTCAGCCCTGGCGCCCAGGCGCATCTGACTCG
GCACCCCCTGCAGGCACCATGGCCCAGAGCCGGGTGCTGCTGCTCCTGCTGCTGCTGCCGCCACAGCTG
CACCTGGGACCTGTGCTTGCCGTGAGGGCCCCAGGATTTGGCCGAAGTGGCGGCCACAGCCTGAGCCCC
GAAGAGAACGAATTTGCGGAGGAGGAGCCGGTGCTGGTACTGAGCCCTGAGGAGCCCGGGCCTGGCCCA
GCCGCGGTCAGCTGCCCCCGAGACTGTGCCTGTTCCCAGGAGGGCGTCGTGGACTGTGGCGGTATTGAC
CTGCGTGAGTTCCCGGGGGACCTGCCTGAGCACACCAACCACCTATCTCTGCAGAACAACCAGCTGGAA
AAGATCTACCCTGAGGAGCTCTCCCGGCTGCACCGGCTGGAGACGCTGAACCTGCAAAACAACCGCCTG
ACTTCCCGAGGGCTCCCAGAGAAGGCGTTTGAGCATCTGACCAACCTCAATTACCTGTACTTGGCCAAT
AACAAGCTGACCTTGGCACCCCGCTTCCTGCCAAACGCCCTGATCAGTGTGGACTTTGCTGCCAACTAT
CTCACCAAGATCTATGGGCTCACCTTTGGCCAGAAGCCAAACTTGAGGTCTGTGTACCTGCACAACAAC
AAGCTGGCAGACGCCGGGCTGCCGGACAACATGTTCAACGGCTCCAGCAACGTCGAGGTCCTCATCCTG
TCCAGCAACTTCCTGCGCCACGTGCCCAAGCACCTGCCGCCTGCCCTGTACAAGCTGCACCTCAAGAAC
AACAAGCTGGAGAAGATCCCCCCGGGGGCCTTCAGCGAGCTGAGCAGCCTGCGCGAGCTATACCTGCAG
AACAACTACCTGACTGACGAGGGCCTGGACAACGAGACCTTCTGGAAGCTCTCCAGCCTGGAGTACCTG
GATCTGTCCAGCAACAACCTGTCTCGGGTCCCAGCTGGGCTGCCGCGCAGCCTGGTGCTGCTGCACTTG
GAGAAGAACGCCATCCGGAGCGTGGACGCGAATGTGCTGACCCCCATCCGCAGCCTGGAGTACCTGCTG
CTGCACAGCAACCAGCTGCGGGAGCAGGGCATCCACCCACTGGCCTTCCAGGGCCTCAAGCGGTTGCAC
ACGGTGCACCTGTACAACAACGCGCTGGAGCGCGTGCCCAGTGGCCTGCCTCGCCGCGTGCGCACCCTC
ATGATCCTGCACAACCAGATCACAGGCATTGGCCGCGAAGACTTTGCCACCACCTACTTCCTGGAGGAG
CTCAACCTCAGCTACAACCGCATCACCAGCCCGCAGGTGCACCGCGACGCCTTCCGCAAGCTGCGCCTG
CTGCGCTCGCTGGACCTGTCGGGCAACCGGCTGCACACGCTGCCACCTGGGCTGCCTCGAAATGTCCAT
GTGCTGAAGGTCAAGCGCAATGAGCTGGCTGCCTTGGCACGAGGGGCGCTGGTGGGCATGGCTCAGCTG
CGTGAGCTGTACCTCACCAGCAACCGACTGCGCAGCCGAGCCCTGGGCCCCCGTGCCTGGGTGGACCTC
GCCCATCTGCAGCTGCTGGACATCGCCGGGAATCAGCTCACAGAGATCCCCGAGGGGCTCCCCGAGTCA
CTTGAGTACCTGTACCTGCAGAACAACAAGATTAGTGCGGTGCCCGCCAATGCCTTCGACTCCACGCCC
AACCTCAAGGGGATCTTTCTCAGGTTTAACAAGCTGGCTGTGGGCTCCGTGGTGGACAGTGCCTTCCGG
AGGCTGAAGCACCTGCAGGTCTTGGACATTGAAGGCAACTTAGAGTTTGGTGACATTTCCAAGGACCGT
GGCCGCTTGGGGAAGGAAAAGGAGGAGGAGGAAGAGGAGGAGGAGGAGGAAGAGGAAACAAGATAG

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001199081
Insert Size:	1929 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_001199081.1
RefSeq Size:	3075 bp
RefSeq ORF:	1929 bp
Locus ID:	127435
UniProt ID:	Q7Z5L7
Cytogenetics:	1p32.3
Protein Families:	Secreted Protein
MW:	72.1 kDa
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 (3) has an additional exon in the 5' region compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, as compared to isoform 1.