

Product datasheet for **SC318121**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



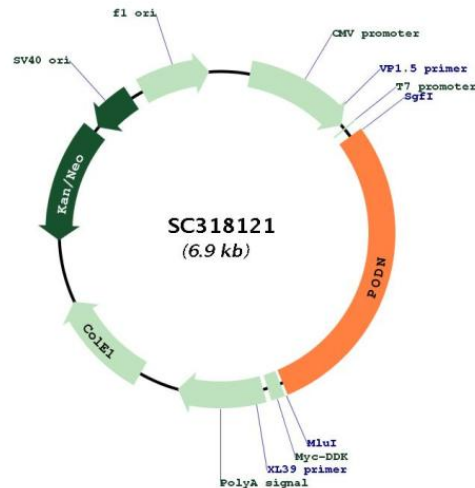
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Fully Sequenced ORF: >SC318121 representing NM_153703.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGGAGCCCGAGCCCGGAGCGCAGCTGAGACTGGGGAGCGCGTTTCGGCCTGTGGGGCGCCGC
TCGGCGCCGGGGCGCAGAGGTTCCGTGAGCCCTGGCGCCAGGGCGCATCTGACTCGGCACCCCTGCA
GGCACCATGGCCAGAGCCGGGTGCTGCTCCTGCTGCTGCTGCCGCCACAGCTGCACCTGGGACCT
GTGCTTGCCGTGAGGGCCCCAGGATTTGGCCGAAGTGGCGGCCACAGCCTGAGCCCCGAAGAGAACGAA
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AAGGAAAAGGAGGAGGAGGAAGAGGAGGAGGAGGAGGAAGAGGAAACAAGATAG
ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_153703

Insert Size: 1986 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).

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_153703.4](#)

RefSeq Size: 3180 bp

RefSeq ORF: 1986 bp

Locus ID: 127435

UniProt ID: [Q7Z5L7](#)

Cytogenetics: 1p32.3

Domains: LRR, LRR_TYP, LRR_BAC, LRR_PS

Protein Families: Secreted Protein

MW: 74.1 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 CX3CX7C 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).