

Product datasheet for **MC228460**

Podn (NM_001285956) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Podn (NM_001285956) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Podn
Synonyms:	9430070G18; Pcan; SLRR5A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228460 representing NM_001285956
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGCAGCAGGGCCCTGCCACTCCTACTGCTGGTGTTCAGCTCTTCTGGCCCTGTGCTGCCTG
 TGAGGGCACCTGTGTTTGGCCGAAGTGACACCCACCCCTGAGCCCGAGGAGAATGAATTTGTGGAGGA
 AGAGAATCAGCCAGTGTGTTCTGAGCTCCGAGGAGCCAGAGCCTGGCCAGCCACTGTCGACTGTCCC
 CGAGATTGTGCCTGTTCCAGGAAGGTGTAGTGGACTGTGGTGGCATTGACCTGCGTGAGTTCCAGGCG
 ACCTGCCCCGAGCACCAACCATCTCTCCTTGACAGAACACCAGCTGGAGAAGATCTACCCCGAGGAGCT
 GTCCCGGCTGCAGCGCTGGAGACGCTGAACCTGCAGAACACCCTGACATCCCGAGGGCTCCCAGAG
 GAGGCATTTGAGCATTTACTAGCCTCAATTACCTGTACCTGGCCAACAACAAGTGACACTGGCACCCC
 GATTCCTGCCAAACGCCCTGATCAGTGTGGACTTTGCTGCCAATTATCTACTAAGATCTATGGACTCAC
 CTTTGGCCAAAAGCCAAATCTGAGGTCTGTGTACCTGCATAACAACAAGCTAGCAGATGCCGGGCTGCCG
 GACCACATGTTCAATGGCTCCAGCAACGTGAGATCCTAATCCTGTCCAGCAACTTCTGCGCCAGGTGC
 CCAAGCACCTGCCACCCGCTCTGTACAAGCTGCACCTCAAGAACAATAAGCTAGAGAAGATCCCCCTGG
 GGCTTACAGTGTGAGCTGAGCAACCTACGGGAACCTACCTGCAGAACAACTACCTGACCGACGAGGGTCTG
 GACAACGAGACCTTCTGGAAGCTGTCCAGCCTGGAGTACCTGGACTTGTCCAGCAACAACCTGTCGAGGG
 TCCCAGCGGGTCTTCCCGCAGCCTGGTCTGCTGCACCTGGAGAAAAATGCCATCCAGAGCGTAGAAGC
 TGATGTCTGACCCCATCCGCAACCTGGAGTACCTGTGCTACATAGCAACCAGCTGCAGGCCAAGGGT
 ATCCACCCACTGGCCTTCCAGGGCCTCAAGAAGCTCCACACAGTGCATCTATAACAACCGCGTGAAC
 GTGTGCCAGCGGCCTGCCCGCCGAGTGGCACCCTCATGATCCTGCACAACCAGATTACAGGCATAGG
 CCGTGAGGACTTCGCTACCACCTACTTCTGGAAGAGCTCAACCTCAGCTACAACCGCATACCAGCCCA
 CAGATGCACCGAGATGCCTTCCGCAAGCTACGCTGCTGCGTTCACTTGACTTGTCTGGCAACCGTCTGC
 AAACACTGCCTCCAGGCCTGCCGAAAAACGTACACGTGCTCAAGGTCAAGCGGAATGAGCTGGTGCCTT
 GGCACGTGGGGCACTAGCTGGCATGGCCAGCTTCCGGAACTCTACCTCACAGGCAACCGACTGCGAAGC
 CGGGCCCTGGGACCCCGTGCCTGGGTGGACCTTGTGGTCTGCAGCTGCTGGACATCGTGGGAATCAGC
 TCACAGAGGTCCCTGAGGGGCTCCCCCATCTCTGGAGTATCTGTACCTGCAGAATAACAAGATTAGTGC
 CGTTCCTGCCAACGCCTTGTACTCCACTCCCAACCTTAAGGGGATCTTCTCAGGTTCAACAAGCTGGCT
 GTGGGCTCCGTGGTGGAAAGCGCCTTCCGGAGGCTGAAACACCTGCAGGCTTGGACATTGAAGGCAACT
 TTGAGTTTGGTAATGGTTCCAAGGACAAAGATGAGGAAGAGGAAGAAGAGGAGGAAGAGGAAAGATGAGGA
 AGAGGAAACTAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001285956
- Insert Size:** 1836 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001285956.1](#), [NP_001272885.1](#)

RefSeq Size: 3262 bp

RefSeq ORF: 1836 bp

Locus ID: 242608

UniProt ID: [Q7TQ62](#)

Cytogenetics: 4 C7

Gene Summary: Negatively regulates cell proliferation and cell migration, especially in smooth muscle cells. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 all encode the same protein.