

## Product datasheet for **MC228461**

### Podn (NM\_001285958) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Podn (NM_001285958) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Podn
Synonyms:	9430070G18; Pcan; SLRR5A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228461 representing NM\_001285958  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGCAGCAGGGGCTGCCACTCCTACTGCTGGTGTTCAGCTCTTCTGGCCCTGTGCTGCCTG  
 TGAGGGCACCTGTGTTTGGCCGAAGTGACACCCACCCCTGAGCCCGAGGAGAATGAATTTGTGGAGGA  
 AGAGAATCAGCCAGTGTGGTTCTGAGCTCCGAGGAGCCAGAGCCTGGCCAGCCACTGTCGACTGTCC  
 CGAGATTGTGCCTGTTCCAGGAAGGTGTAGTGGACTGTGGTGGCATTGACCTGCGTGAGTTCCAGGCG  
 ACCTGCCCCGAGCACCAACCATCTCTCCTTGACAGAACACCAGCTGGAGAAGATCTACCCGAGGAGCT  
 GTCCCGGCTGCAGCGCTGGAGACGCTGAACCTGCAGAACACCCTGACATCCCGAGGGCTCCAGAG  
 GAGGCATTTGAGCATCTACTAGCCTCAATTACCTGTACCTGGCCAACAACAAGTGACACTGGCACCCC  
 GATTCCTGCCAAACGCCCTGATCAGTGTGGACTTTGCTGCCAATTATCTACTAAGATCTATGGACTCAC  
 CTTTGGCCAAAAGCCAAATCTGAGTCTGTGTACCTGCATAACAACAAGCTAGCAGATGCCGGGCTGCCG  
 GACCACATGTTCAATGGCTCCAGCAACGTGAGATCCTAATCCTGTCCAGCAACTTCTGCGCCAGGTGC  
 CCAAGCACCTGCCACCCGCTCTGTACAAGCTGCACCTCAAGAACAATAAGCTAGAGAAGATCCCCCTGG  
 GGCTTACAGTGTGAGCTGAGCAACCTACGGGAACCTACCTGCAGAACAACTACCTGACCGACGAGGGTCTG  
 GACAACGAGACCTTCTGGAAGCTGTCCAGCCTGGAGTACCTGGACTTGTCCAGCAACAACCTGTCGAGGG  
 TCCCAGCGGGTCTTCCCGCAGCCTGGTCTGCTGCACCTGGAGAAAAATGCCATCCAGAGCGTAGAAGC  
 TGATGTGCTGACCCCATCCGCAACCTGGAGTACCTGTGCTACATAGCAACCAGCTGCAGGCCAAGGGT  
 ATCCACCCACTGGCCTTCCAGGGCCTCAAGAAGCTCCACACAGTGCATCTATAACAACCGCGTGAAC  
 GTGTGCCAGCGGCCTGCCCGCAGTGCACACCCTCATGATCCTGCACAACCAGATTACAGGCATAGG  
 CCGTGAGGACTTCGCTACCACCTACTTCTGGAAGAGCTCAACCTCAGCTACAACCGCATACCAGCCCA  
 CAGATGCACCGAGATGCCTTCCGCAAGCTACGCCTGCTGCGTTCACTTGACTTGTCTGGCAACCGTCTGC  
 AAACACTGCCTCCAGGCCTGCCAAAAACGTACACGTGCTCAAGGTCAAGCGGAATGAGCTGGTGCCTT  
 GGCACGTGGGGCACTAGCTGGCATGGCCAGCTTCGGGAACCTACCTCACAGGCAACCGACTGCGAAGC  
 CGGGCCCTGGGACCCCGTGCCTGGGTGGACCTTGTGGTCTGCAGCTGCTGGACATCGTGGGAATCAGC  
 TCACAGAGGTCCCTGAGGGGCTCCCCCATCTCTGGAGTATCTGTACCTGCAGAATAACAAGATTAGTGC  
 CGTTCCTGCCAACGCCTTTGACTCCACTCCAACCTTAAGGGGATCTTTCTCAGGTTCAACAAGCTGGCT  
 GTGGGCTCCGTGGTGAAGCGCCTTCCGGAGGCTGAAACACCTGCAGGCTTGGACATTGAAGGCAACT  
 TTGAGTTTGGTAATGGTTCCAAGGACAAAGATGAGGAAGAGGAAGAAGAGGAGGAAGAGGAAAGATGAGGA  
 AGAGGAAACTAGATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001285958
- 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\\_001285958.1](#), [NP\\_001272887.1](#)

**RefSeq Size:** 3158 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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 all encode the same protein.