

Product datasheet for **MC218108**

Pdzrn3 (BC010329) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzrn3 (BC010329) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdzrn3
Synonyms:	1110020C07Rik; AI429718; AL023082; LNX3; SEMACAP3; Semcap3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC010329
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACAGAGAAGAGCTGGAGCTGGAGGAAGTGGGCTCTACAGGATGAACAGCCAGGACAAGCTGGGTC
 TCACTGTGTGCTACCGGACGGATGACGAAGATGACATTGGGATATATATAAGTGAGATTGACCCTAACAG
 CATTGCAGCCAAAGATGGACGGATCCGTGAAGGAGATCGCATCATCCAGATTAATGGCATCGAAGTACAG
 AACCGTGAAGAGGCCGTGGCGCTTCTAACCCAGTGAAGAAAACAAGAACTTTTCATTGCTGATTGCAAGGC
 CTGAGCTCCAGCTGGATGAGGGCTGGATGGATGACGACAGGAACGACTTCTGGATGACTTACACATGGA
 CATGCTGGAGGAACAGCATCACCAGGCCATGCAGTTCACAGCCAGTGTGCTCCAGCAGAAGAAGCATGAG
 GAAGATGGTGGGACCACAGACACAGCCACCATCTTATCCAACCAGCAGAAAAGACAGTGGTGTGGGGC
 GAACGGATGAGAGCACCCGCAATGATGAGAGCTCAGAACAGGAGAATAACGGTGAAGATGCTACGGCATC
 CGCCAACCGCTGGCGGGCCAGAGGAAGCTGACCTGTAGCCAGGACACCCTGGGCAGTGGCGACCTGCCT
 TTCAGCAATGAGTCTTATCTCTGCGGACTGTACCGATGTGGACTACCTGGGCATCCAGAGGATGAGT
 GCGAGCGTTTTTCGTGAAGTGTGGAGCTCAAGTGCCAAGTGCAGAGCGCCAGCCCCTACAGCCTGTACTA
 CCCTAGCAGCCCCTGGATGCTGCTGGCAAGAGTGACCCCGAGAGCGTGGACAAGGAGCTGGAGCTACTC
 AATGAGGAGTTGCGCAGCATCGAGCTAGAGTGCCTGAGCATCGTGCCTGCGCACAAGATGCAGCAGCTCA
 AGGAACAGTACCGTGAGTCTGGATGCTGCACCACAGTGGCTTCCGCAACTACAACACCAGTGTGGACGT
 GCGCCGCCATGAGCTCTCGGACATCACTGAGCTGCCGGAGAAGTCAGACAAGGATAGTTCAAGCGCCTAC
 AACACGGGGGAGAGCTGCAGGAGTACCCCACTCACCTGGAGATCTCTCCGGACAACCTCCCTGCGGAGAG
 TGGCCGAGGGCAGTAGTGAAGGGGCCACAGCTAACATCGAAGCTTACAGGCCATCCCCAAGAATCTACT
 CGCCATCACTGAGGACCCTGAAGTAAGCACCCCAAGCTACAACCCCTAGCTCCAAAAGAGCTGGACCCCAAGC
 CAGGCTTTGGAGATCAAAGAACGCCGAGGTAGCGATGGCAGCAGGAGCCCAACCGCCAGCCCAAAGCTGG
 GCAATGCCTACCTGCCCTCGTACCACCACTCCCCCTACAAACACGCGCACATCCAGCTCAGCGCAACA
 CTACCAGAGCTACATGCACCTGATCCAGCAGAAGTCAGCAGTGGAGTATGCGCAGAGCCAGATGAGCCTG
 GTGAGCATGTGCAAGGACTTGAAGTCTTCTAACTCTGCGGAACCCAGGATGGAATGGAAAGTGAAGATCC
 GCAGTACGCGGACGCGCTACATACCAAGAGGCCGGTGCCTGACAGACTGCTGCGGGAGCGTGCCTGAA
 GATCCGCGAGGAGCGCAGTGGCCTGACCACGGATGATGACGCCATGAGTGAAGATGAGATGGGGCGCTAC
 TGGAGCAAGGAGGAGCGCAAGCAACATCTGGTGAAGGCCAAGGAGCAGAGCGGAGCGCGAGTTTATGA
 TGCAGAGCAGGCTGGATTGTCTGAAGGAGCAGCAGGCCTCCGACGACAGGAAGGAGATGAACATCCTGGA
 ACTGAGCCACAAAAGATGATGAAGAAGAGGAACAAAAGATCTTTGACAATTGGATGACTATCCAGAA
 CTCTTAACCCACGGCACAAAATCGCCAGACGGCACTAGGGTATACAATTCCTTCTGTCGGTGACTACTG
 TATAA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC010329

Insert Size: 1965 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: [BC010329](#), [AAH10329](#)

RefSeq Size: 2921 bp

RefSeq ORF: 1964 bp

Locus ID: 55983

Cytogenetics: 6 D3

Gene Summary: E3 ubiquitin-protein ligase. Plays an important role in regulating the surface level of MUSK on myotubes. Mediates the ubiquitination of MUSK, promoting its endocytosis and lysosomal degradation. Might contribute to terminal myogenic differentiation.[UniProtKB/Swiss-Prot Function]