

Product datasheet for **MC226227**

Prn (NM_001278259) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prn (NM_001278259) Mouse Untagged Clone
Tag: Tag Free
Symbol: Prn
Synonyms: Gm28045; Gm44637; Prnp-Prnd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226227 representing NM_001278259
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGAGTGGAGGTCGCTTCGAGTGGAGGTCGCTTCGCGCACCGGATCACCATGAAGAACCGGCTGG
GTACATGGTGGGTGGCCATCCTCTGCATGCTGCTTCCAGCCACCTCTCCACGGTCAAGGCAAGGGGCAT
AAAGCACAGGTTCAAGTGAACCGGAAGGTCCTGCCAGCAGCGCGGCCAGATCACCGAAGCTCGGGTA
GCTGAGAACCGCCAGGAGCCTTCATCAAGCAAGGCCGGAAGCTGGACATCGACTTTGGAGCAGAGGGCA
ACAGGTAACGCGGCTAACTATTGGCAGTTCCTGATGGGATCTACTACGAAGGCTGCTCTGAAGCCAA
CGTGACCAAGGAGATGCTGGTGACCAGCTGCGTCAACGCCACCCAGGCGGCCAACCGGCTGAGTTCTCC
CGGGAGAAGCAGGATAGCAAGCTCCACCAGCGAGTCTGTGGCGGCTGATCAAAGAGATCTGCTCCGCCA
AGCACTGCGATTTCTGGCTGAAAGGGGAGCTGCGCTTCGGTTCGCCGTGGACCAACCGGCGATGGTCTG
CCTGCTGGGTTTCGTTTGGTTTCATTGTGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001278259
Insert Size: 594 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001278259.1</u> , <u>NP_001265188.1</u>
RefSeq Size:	2162 bp
RefSeq ORF:	594 bp
Locus ID:	111368
Cytogenetics:	2
Gene Summary:	<p>This locus represents naturally occurring readthrough transcription between the neighboring Prnp (major prion protein) and Prnd (prion-like protein doppel) genes on chromosome 2. The readthrough transcript encodes a protein that shares sequence identity with the downstream gene product but its N-terminal region is distinct due to the presence of an in-frame, upstream AUG compared to the downstream gene. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript was derived from the reference genome assembly. The genomic coordinates were determined from alignments.</p>