

Product datasheet for **MR228438**

Prn (NM_001278259) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prn (NM_001278259) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prn
Synonyms: Gm28045; Gm44637; Prnp-Prnd
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228438 representing NM_001278259
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGATGGAGTGGAGGTCGCTTCGAGTGGAGGTCGCTTCGCGCACCGGATTCACCATGAAGAACCGGCTGG
 GTACATGGTGGGTGGCCATCCTCTGCATGCTGCTTGCCAGCCACCTCTCCACGGTCAAGGCAAGGGGCAT
 AAAGCACAGGTTCAAGTGAACCGGAAGGTCCTGCCAGCAGCGCGGCCAGATCACCAGGCTCGGGTA
 GCTGAGAACCGCCAGGAGCCTTCATCAAGCAAGGCCGGAAGCTGGACATCGACTTTGGAGCAGAGGGCA
 ACAGGTACTACGCGGCTAACTATTGGCAGTTCCTGATGGGATCTACTACGAAGGCTGCTCTGAAGCCAA
 CGTGACCAAGGAGATGCTGGTGACCAGCTGCGTCAACGCCACCCAGGCGGCCAACCAGGCTGAGTTCTCC
 CGGGAGAAGCAGGATAGCAAGCTCCACCAGCGAGTCTGTGGCGGCTGATCAAAGAGATCTGCTCCGCCA
 AGCACTGCGATTCTGGCTGAAAGGGGAGCTGCGCTTCGGGTCGCCGTGGACCAACCGCGATGGTCTG
 CTGCTGGGTTTCGTTTGGTTCATTGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228438 representing NM_001278259
Red=Cloning site Green=Tags(s)

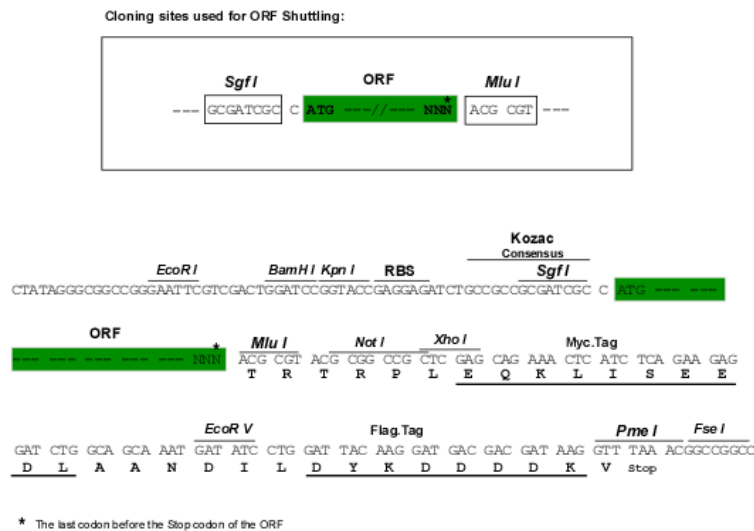
MMEWRLRVEVASRTGFTMKNRLGTWWVAILCMLLASHLSTVKARGIKHRFKWNRKVLPSGGQITEARV
 AENRPGAFIKQGRKLDIDFGAEGNRYAANYWQFPDGIYYEGCSEANVTKEMLVTSVNTQAANQAEFS
 REKQDSKHLHQRVLWRLIKEICSAKHCDFWLERGAALRVAVDQPAMVCLLGFVWFIVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278259

ORF Size: 591 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001278259.1](#), [NP_001265188.1](#)

RefSeq Size: 2162 bp

RefSeq ORF: 594 bp

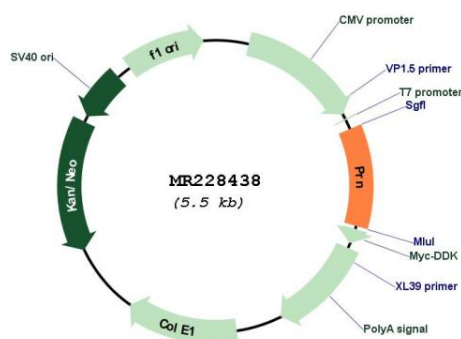
Locus ID: 111368

Cytogenetics: 2

MW: 23 kDa

Gene Summary: 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]

Product images:



Circular map for MR228438