

Product datasheet for MR227504

Prnp (NM_011170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prnp (NM_011170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prnp
Synonyms:	AA960666; AI325101; CD230; Prn-i; Prn-p; PrP; prP27-30; prP33-35C; PrP ^{PrPC} ; PrP ^{Sc} ; Sinc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227504 representing NM_011170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAACCTTGGCTACTGGCTGCTGGCCCTCTTTGTGACTATGTGGACTGATGTGGCCTCTGCAAAA
AGCGGCCAAAGCCTGGAGGGTGGAAACACCGGTGGAAGCCGGTATCCCGGGCAGGGAAGCCCTGGAGGCAA
CCGTTACCCACCTCAGGGTGGCACCTGGGGCAGCCCCACGGTGGTGGCTGGGGACAACCCCATGGGGC
AGCTGGGGACAACCTCATGGTGGTAGTTGGGGTCAGCCCCATGGCGGTGGATGGGGCAAGGAGGGGTA
CCATAATCAGTGAACAAGCCAGCAAACCAAAACCAACCTCAAGCATGTGGCAGGGGCTGCGGCAGC
TGGGGCAGTAGTGGGGGGCCTTGGTGGCTACATGCTGGGGAGCGCCATGAGCAGGCCCATGATCCATTTT
GGCAACGACTGGGAGGACCGCTACTACCGTGAAAACATGTACCGTACCCTAACCAAGTGTACTACAGGC
CAGTGGATCAGTACAGCAACCAGAACTTCGTGCACGACTGCGTCAATATCACCATCAAGCAGCACAC
GGTCAACCACCACCAAGGGGAGAATTCACCGAGACCGATGTGAAGATGATGGAGCGCGTGGTGGAG
CAGATGTGCGTCACCCAGTACCAGAAGGAGTCCCAGGCCATTACGACGGGAGAAGATCCAGCAGCACCC
TGCTTTCTCCTCCCTCCTGTCTCCTCCTCATCTCCTCCTCCTCCTCCTCCTGATCGTGGGA

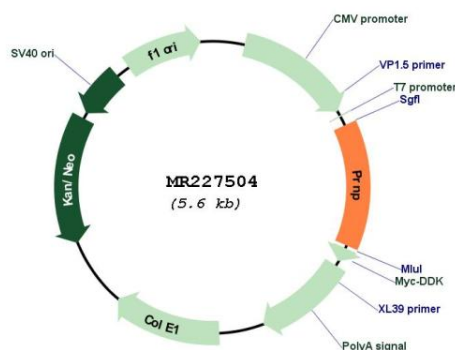
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_011170.3</u>
RefSeq Size:	2206 bp
RefSeq ORF:	765 bp
Locus ID:	19122
UniProt ID:	<u>P04925</u>
Cytogenetics:	2 64.07 cM
MW:	28.4 kDa
Gene Summary:	Its primary physiological function is unclear. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance. May promote myelin homeostasis through acting as an agonist for ADGRG6 receptor. May play a role in iron uptake and iron homeostasis. Soluble oligomers are toxic to cultured neuroblastoma cells and induce apoptosis (in vitro) (By similarity). Association with GPC1 (via its heparan sulfate chains) targets PRNP to lipid rafts. Also provides Cu(2+) or ZN(2+) for the ascorbate-mediated GPC1 deaminase degradation of its heparan sulfate side chains (PubMed:12732622, PubMed:16492732, PubMed:19242475, PubMed:19568430).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227504