

Product datasheet for **MR227504L3V**

Prnp (NM_011170) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Prnp (NM_011170) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Prnp
Synonyms:	AA960666; AI325101; CD230; Prn-i; Prn-p; PrP; prP27-30; prP33-35C; PrP ^{Sc} ; PrP ^{Pr} ; PrP ^{PC} ; PrP ^{Sc} ; Sinc
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011170
ORF Size:	762 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227504).
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.
RefSeq:	NM_011170.2
RefSeq Size:	2206 bp
RefSeq ORF:	765 bp
Locus ID:	19122
UniProt ID:	P04925
Cytogenetics:	2 64.07 cM



[View online »](#)

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]