

## Product datasheet for **KN313942BN**

### Prnp Mouse Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Prnp
Locus ID:	19122
Components:	<b>KN313942G1</b> , Prnp gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN313942G2</b> , Prnp gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN313942BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_001278256</a> , <a href="#">NM_011170</a>
UniProt ID:	<a href="#">P04925</a>
Synonyms:	AA960666; AI325101; CD230; Prn-i; Prn-p; PrP; prP27-30; prP33-35C; PrP <sup>Sc</sup> ; PrP <sup>PrPC</sup> ; PrP <sup>Sc</sup> ; Sinc
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]



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## Product images:

