

# Recombinant Mouse PrP(G113V) Protein

Catalog No.: RP00706 Recombinant

### **Sequence Information**

**Species Gene ID Swiss Prot** Mouse 19122 P04925

Tags

No-Tag

### **Synonyms**

Prnp; Prn-p; Prp;Major prion protein; PrP; PrP27-30; PrP33-35C; CD230

### **Product Information**

Source Purification
E. coli ≥ 95 % as
determined by S

determined by SDS-PAGE.

Calculated MW Observed MW

22.9 kDa 18-25 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

#### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

### **Contact**

<b>a</b>	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
$\overline{\mathfrak{S}}$	www.abclonal.com.cn

### **Background**

PrP 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. Association with GPC1 (via its heparan sulfate chains) targets PRNP to lipid rafts. Also provides Cu2+ or Zn2+ for the ascorbate-mediated GPC1 deaminase degradation of its heparan sulfate side chains.

### **Basic Information**

### Description

Recombinant Mouse PrP(G113V) Protein is produced by  $\it E.~coli$  Cells expression system. The target protein is expressed with sequence (Lys23-Ser230) of Mouse PrP(G113V) (Accession # P04925) fused with No tag .

### **Bio-Activity**

Analysis of PK resistance was performed by incubating 200  $\mu$ g/mL of each protein for 2 h in the presence of various concentrations of PK at 37°C.The results showed that the protein had no resistance to protease K.

### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

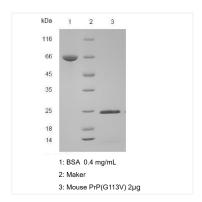
Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

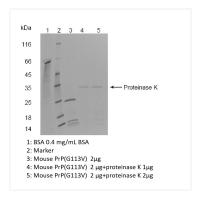
For your safety and health, please wear a lab coat and disposable gloves for handling.

<sup>\*</sup> DODOODOODOODOODOO

## **Validation Data**



Recombinant Mouse PrP(G113V) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Analysis of PK resistance was performed by incubating 200  $\mu$ g/mL of each protein for 2 h in the presence of various concentrations of PK at 37°C.