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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 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.

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 *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 μg/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℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

Contact

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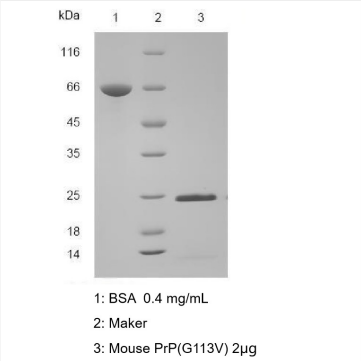
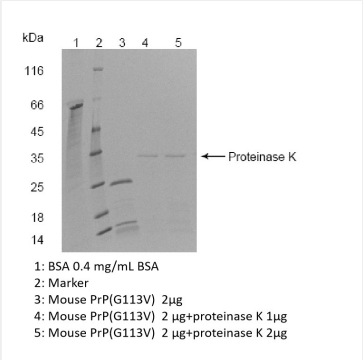
Validation Data



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



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