

## Major prion protein

Catalog No: #AP79467



Package Size: #AP79467-1 50ug #AP79467-2 100ug #AP79467-3 1mg

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | Major prion protein   |
| Brief Description     | Recombinant Protein   |
| Host Species          | E.coli  |
| Purification          | Greater than 90% by SDS-PAGE  |
| Species Reactivity    | Human   |
| Immunogen Description | 23-110aa  |
| Other Names           | ALTPRP,PRIP,PRP,ASCR,PrP27-30,PrP33-35C,CD230   |
| Accession No.         | P04156Gene name:PRNP  |
| Uniprot               | P04156  |
| GeneID                | 5621;   |
| Calculated MW         | 9.68  |
| Tag Info              | His   |
| Formulation           | 50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)   |
| Storage               | Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended.<br>Store working aliquots at 4°C for up to one week. |

## Background

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 a 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.

## References

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Note: This product is for in vitro research use only