

## Recombinant Bos PRNP Protein, His-Tagged

Cat. No. Prnp-01B Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Bos PRNP Protein, His-Tagged was expressed in E.coli BL21 cell
<b>Species</b>	Bos
<b>Source</b>	E.coli
<b>Description</b>	The function of PrP is still under debate. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance. May play a role in iron uptake and iron homeostasis (By similarity). Isoform 2 may act as a growth suppressor by arresting the cell cycle at the G0/G1 phase. Soluble oligomers are toxic to cultured neuroblastoma cells and induce apoptosis (in vitro).
<b>Form</b>	Liquid
<b>Molecular Mass</b>	25 kDa including tags
<b>AA Sequence</b>	MKKRPKPGGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQPHGGGGWGQPHGG GWGQPHGGGGWGQPHGGGGWGQPHGGGGWGQGGTHGQWNKPSKPKTNMKHVA GAAAAGAVVGGGLGGYMLGSAMSRPLIHFGSDYEDRYRYRENMHRYPNQVYYRVPD QYSNQNNFVHDCVNITVKEHTVTTTTKGENFTETDIKMMERVVEQMCITQYQRESQ AYYQRGASHHHHHH
<b>Purity</b>	> 95 % SDS-PAGE. Expressed in E.coli BL21, solubilized from inclusion bodies in 6 M guanidine-HCl, and purified by Ni(II)-nitriloacetate agarose chromatography, followed by reversed-phase

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HPLC (C4 column). The rPrPc appears as a single protein band of about 27 kDa in SDS-PAGE (>95% of total protein).

**Applications** SDS-PAGE, ELISA

**Storage** Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  
pH: 4.00  
Constituent: 0.082% Sodium acetate

**Concentration** 100 g at 2 mg/ml

**Shipping** Shipped at 4°C.

## GENE INFORMATION

**Gene Name** PRNP prion protein [ *Bos taurus* (cattle) ]

**Official Symbol** PRNP

**Synonyms** AltPrP, ASCR, CD230, CD230 antigen, CJD, GSS, KURU, Major prion protein, p27 30, PRIO\_HUMAN, Prion protein, Prion related protein, PRIP, PRNP, PrP, PrP27 30, PrP27-30, PrP33-35C, PrPC, PrPSc, Sinc

**Gene ID** 281427

**mRNA Refseq** NM\_001271625.3

**Protein Refseq** NP\_001258554.1

**UniProt ID** F7VJQ2

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