

Recombinant Bos PRNP Protein, His-Tagged

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

SPECIFICATION

Product Overview	Recombinant Bos PRNP Protein, His-Tagged was expressed in E.coli BL21 cell
Species	Bos
Source	E.coli
Description	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).
Form	Liquid
Molecular Mass	25 kDa including tags
AA Sequence	MKKRPKPGGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQPHGGGGWGQPHGG GWGQPHGGGGWGQPHGGGGWGQPHGGGGWGQGGTHGQWNKPSKPKTNMKHVA GAAAAGAVVGGLGGYMLGSAMSRPLIHFGSDYEDRYRYRENMHRYPNQVYYRPVD QYSNQNNFVHDCVNITVKEHTVTTTTKGENFTETDIKMMERVVEQMCITQYQRESQ AYYQRGASHHHHHH
Purity	> 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 µg 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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