

Recombinant Bovine PRNP Protein

Cat. No. PRNP-290B Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine PRNP(24-241 aa) was expressed in E. coli.
Species	Bovine
Source	E.coli
ProteinLength	24-241 aa
Description	Prion Protein (PrP) is an abundant cellular protein in mammalian neural tissue. It is associated with mammalian prion diseases, e.g. transmissible spongiforme encephalopathies that include human Creutzfeld-Jakob disease, bovine spongiforme encephalopathy, sheep scrapie, cervid's chronic wasting disease and various rodent prion diseases. In the disease process, PrP undergoes protein aggregation into disease specific PrPSc.
Form	Finally dialysed in pure water, shock frozen in liquid nitrogen at a protein concentration of 0.25 mg/ml.
Molecular Mass	23163 kg/mol
AA Sequence	GSKKRPKPGGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQPHGGGWGQPHG GGWGQPHGGGWGQPHGGGWGQPHGGGGWGQGGTHGQWNKPSKPKTNMKHV AGAAAAGAVVGLGGYMLGSAMSRP LIHFGSDYEDRYRENMHRYPNQVYYRPVDQYSNQNNFVHDCVNITVKEHTVTTTT KGENFTETDIKMMERVVEQMCITQYQRESQAYYQRGA

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Purity	> 95% by SDS-PAGE
Applications	Prion Protein is frequently used in analytical aggregation assays
Notes	Thawing: Gentle agitation at 37 centigrade until no ice is left. Keep on ice. Do not refreeze
Storage	Store at -80 centigrade
Concentration	0.25 mg/ml

GENE INFORMATION

Gene Name	PRNP prion protein [<i>Bos taurus</i>]
Official Symbol	PRNP
Synonyms	PrP; AltPrP; prion protein precursor PrP; prion protein variant a; prion protein variant b
Gene ID	281427
mRNA Refseq	NM_001271625
Protein Refseq	NP_001258554
UniProt ID	F7VJQ2

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