Recombinant Human Prion Protein, His-tagged

Cat. No. PRNP-1898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length native cellular form of PRNP contains amino acids 23-231 andN-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	23-231 a.a.
Description	The PRNP conformation of the protein afterrefolding procedure was confirmed by high resolution NMR spectroscopy.
Form	Liquid in 10 mMsodium acetate, pH 4.5 + 0.02% sodium azide. Precaution: Sodium azide is apoisonous and hazardous substance which should be handled by trained staffonly.
Purity	> 95% asdetermined by SDS-PAGE analysis
Storage	Stable for 1 year inworking aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	PRNP
Full Length	Full L.

GENE INFORMATION

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Gene Name	PRNP prion protein [Homosapiens]
Synonyms	PRNP; prion protein;CJD;GSS; PrP; ASCR; PRIP; PrPc; CD230; prion; PrP27-30; PrP33-35C; major prionprotein; p27-30; CD230 antigen; prion protein PrP; OTTHUMP00000030161; OTTHUMP00000030162;OTTHUMP00000030163; OTTHUMP00000161139; prion-related protein; prion protein(p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome,fatal familial insomnia)
Gene ID	5621
mRNA Refseq	NM_000311
Protein Refseq	NP_000302
MIM	176640
UniProt ID	O75942
Chromosome Location	20p13
Pathway	Axon guidance; Developmental Biology;Glypican 1 network; NCAM signaling for neurite out-growth; NCAM1interactions; Prion diseases
Function	ATP-dependent protein binding; chaperonebinding; copper ion binding; identical protein binding; metal ion binding;microtubule binding; protein binding; tubulin binding
PDB rendering basedon 1ag2.	

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