

# Recombinant Human PRNP Protein, Lys23-Ser230, C-His-Avi tagged, Biotinylated

Cat. No. PRNP-12HB Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Biotinylated recombinant Human PRNP Protein (Lys23-Ser230) with C-His-Avi tag was expressed in HEK293.

### Species

Human

### Source

HEK293

### ProteinLength

Lys23-Ser230

### Description

The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants.

### Conjugation/Label


Biotin

### Molecular Mass

25 kDa

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<b>AA Sequence</b>	KKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQPHGGGWGQPHGGG WGQPHGGGWGQPHGGGWGQGGGTHSQWNKPSKPKTNMKHMAGAAAAGAVVG GLGGYMLGSAMSRPIIHFGSDYEDRYRENMHRYPNQVYYRPMDEYSNQNNFVHD CVNITIKQHTVTTTTKGENFTETDVKMMERVVEQMCITQYERESQAYYQRGSHHHH HHHHGLNDIFEAQKIEWHE
<b>Endotoxin</b>	< 1 EU/μg by LAL
<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	0.42 mg/mL by Bradford
<b>Storage Buffer</b>	Sterile 50mM tris, pH8.0, 300mM NaCl, 2mM DTT, 0.01% SKL, 20% Glycerol
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	PRNP prion protein (Kanno blood group) [ Homo sapiens (human) ]
<b>Official Symbol</b>	PRNP
<b>Synonyms</b>	PRNP; prion protein (Kanno blood group); CJD; GSS; PrP; ASCR; KURU; PRIP; PrPc; CD230; AltPrP; p27-30; PrP27-30; PrP33-35C; major prion protein; alternative prion protein; CD230 antigen; prion-related protein
<b>Gene ID</b>	5621

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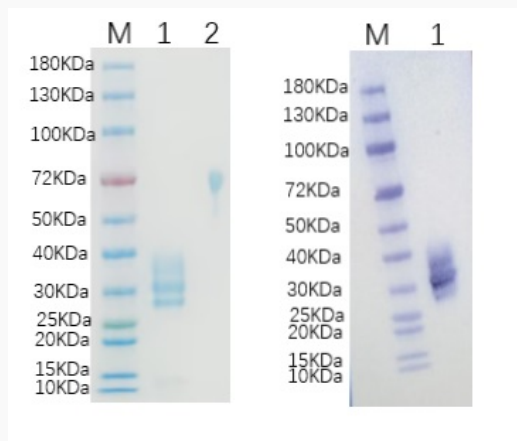
mRNA Refseq [NM\\_000311](#)

Protein Refseq [NP\\_000302](#)

MIM [176640](#)

UniProt ID [P04156](#)

**Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified PRNP.**



1. PRNP
2. BSA

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