

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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AA Sequence	KKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQPHGGGWGQPHGGG WGQPHGGGWGQPHGGGWGQGGGTHSQWNKPSKPKTNMKHMAGAAAAGAVVG GLGGYMLGSAMSRPIIHFGSDYEDRYRENMHRYPNQVYYRPMDEYSNQNNFVHD CVNITIKQHTVTTTTKGENFTETDVKMMERVVEQMCITQYERESQAYYQRGSHHHH HHHHGLNDIFEAQKIEWHE
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	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.
Concentration	0.42 mg/mL by Bradford
Storage Buffer	Sterile 50mM tris, pH8.0, 300mM NaCl, 2mM DTT, 0.01% SKL, 20% Glycerol
Conjugation	Biotin

GENE INFORMATION

Gene Name	PRNP prion protein (Kanno blood group) [Homo sapiens (human)]
Official Symbol	PRNP
Synonyms	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
Gene ID	5621

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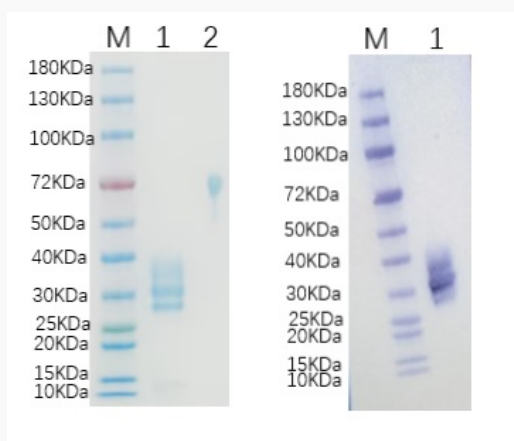
mRNA Refseq [NM_000311](#)

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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