

Recombinant Human PRNP protein, hFc-tagged

Cat. No. PRNP-5014H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRNP protein(P04156)(Lys23-Ser230), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Lys23-Ser230
Tag	C-hFc
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PRNP, hFc Tag at 1ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Anti-PRNP Antibody, hFc Tag with the EC50 of 41.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 49.4 kDa. Due to glycosylation, the protein migrates to 60-67 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

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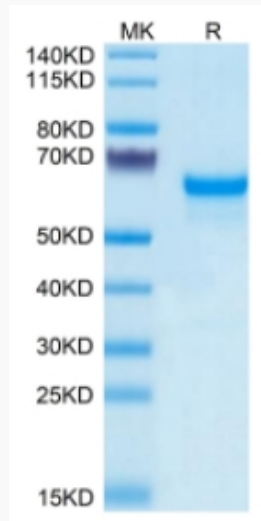
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	PRNP prion protein [Homo sapiens]
Official Symbol	PRNP
Synonyms	PRNP; prion protein; CJD, GSS, prion protein (p27 30) , PRIP; major prion protein; CD230; Creutzfeldt Jakob disease; fatal familial insomnia; Gerstmann Strausler Scheinker syndrome; p27 30; PRP; CD230 antigen; prion-related protein; CJD; GSS; PrP; ASCR; PRIP; PrPc; p27-30; PrP27-30; PrP33-35C; MGC26679;
Gene ID	5621
mRNA Refseq	NM_000311
Protein Refseq	NP_000302
MIM	176640
UniProt ID	P04156

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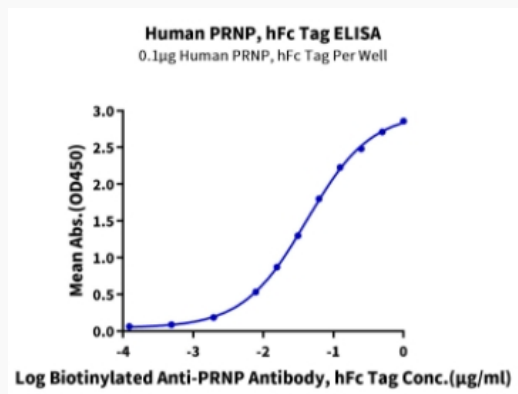
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Tris-Bis PAGE



ELISA Data



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