

Datasheet for ABIN7275480

**PRNP Protein (AA 23-230) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PRNP
Protein Characteristics:	AA 23-230
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRNP protein is labelled with Fc Tag.

## Product Details

Purpose:	Human PRNP Protein
Sequence:	Lys23-Ser230
Characteristics:	Recombinant Human PRNP Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Lys23-Ser230.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human PRNP, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-PRNP Antibody, hFc Tag with the EC50 of 25.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

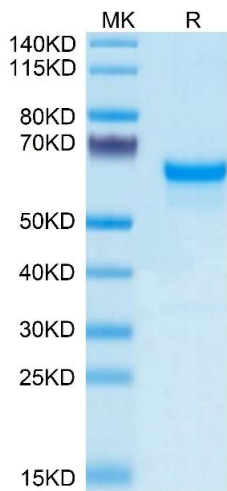
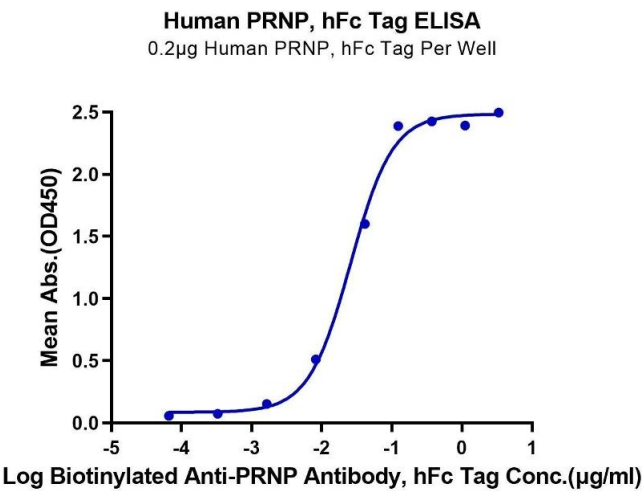
Target:	PRNP
Alternative Name:	PRNP ( <a href="#">PRNP Products</a> )
Background:	Prion protein gene (PRNP) variants determine the susceptibility of humans, sheep and mice to prion diseases, whereas polymorphisms in the open reading frame (ORF) of bovine PRNP seem to be unrelated to the incidence of bovine spongiform encephalopathy (BSE). According to the latest reports, the genetic susceptibility of cattle to BSE is associated with polymorphisms of the regulatory region of the PRNP gene and the level of its expression.
Molecular Weight:	49.4 kDa. Due to glycosylation, the protein migrates to 60-67 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P04156</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**ELISA**

**Image 1.** Immobilized Human PRNP, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-PRNP Antibody, hFc Tag with the EC50 of 25.8 ng/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Human PRNP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .