

## General Information

### Gene Name Synonym

ASCR; PrP27-30; PrP33-35C

### Protein Construction

A DNA sequence encoding the human PRNP (NP\_000302.1) (Met1-Gly229) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Lys 23

### Molecular Mass

The recombinant human PRNP/Fc comprises 448 amino acids and has a predicted molecular mass of 49.7 kDa. The apparent molecular mass of the protein is approximately 57.4 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

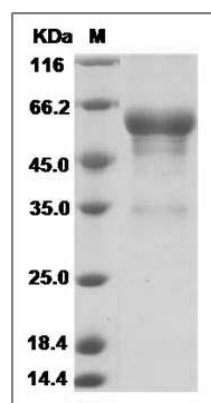
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human PRNP / Prion Protein (Fc Tag) SDS-PAGE