## PRODUCT INFORMATION

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|---|---|
| **Target** | PRNP |
| **Synonyms** | PrP;ASCR;PrP27-30;PrP33-35C;CD230 |
| **Description** | Recombinant human PRNP protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P04156 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc Tag |
| **Molecular Characterization** | PRNP(Lys23-Gly229) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 48.8 kDa after removal of the signal peptide. The apparent molecular mass of PRNP-hFc is approximately 55-70 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | 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. [provided by RefSeq, Nov 2014] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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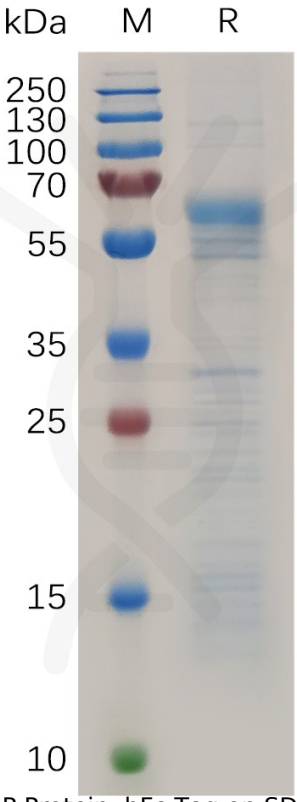



Figure 1. Human PRNP Protein, hFc Tag on SDS-PAGE under reducing condition.

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