

PRODUCT INFORMATION

PRNP Target

Synonyms PrP;ASCR;PrP27-30;PrP33-35C;CD230 Recombinant human PRNP protein with C-

Description terminal human Fc tag

Delivery In Stock **Uniprot ID** P04156 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

PRNP(Lys23-Gly229) hFc(Glu99-Ala330) Characterization

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 **Molecular Weight**

approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. 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.

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.

Background 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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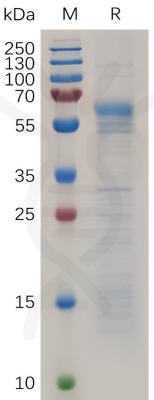


Figure 1. Human PRNP Protein, hFc Tag on SDS-PAGE under reducing condition.

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