

Datasheet for ABIN7490839
PRNP Protein (AA 23-229) (Fc Tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	PRNP
Protein Characteristics:	AA 23-229
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRNP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human PRNP protein with C-terminal human Fc tag
Specificity:	PRNP (Lys23-Gly229) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	PRNP
Alternative Name:	PRNP (PRNP Products)
Background:	The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored

Target Details

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]

Molecular Weight: predicted molecular mass of 48.8 kDa after removal of the signal peptide. The apparent molecular mass of PRNP-hFc is 55-70 kDa due to glycosylation.

UniProt: [P04156](#)

Pathways: [Transition Metal Ion Homeostasis, Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

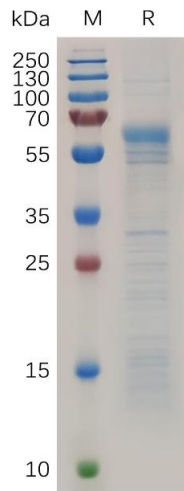
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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