

# Mouse PRNP Protein

Cat. No. PRP-MM201

## Description

<b>Source</b>	Recombinant Mouse PRNP Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Lys23-Ser230.
<b>Accession</b>	P04925
<b>Molecular Weight</b>	The protein has a predicted MW of 49.6 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

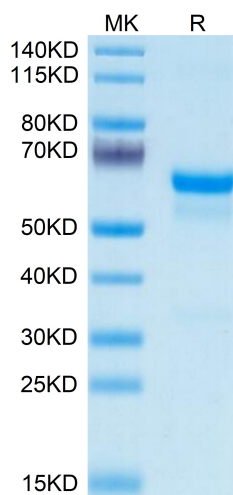
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## 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.

## Assay Data

### Tris-Bis PAGE



Mouse PRNP on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.