

Rev03  
 Update: Aug,08,2025

**DATASHEET**

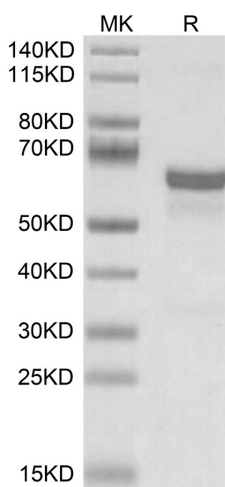
# PRNP hFc Chimera, Mouse

Cat. No.: Z06321

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>PRNP (Lys23-Ser230)_x000D_</b>  <b>Accession # P04925</b> </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> <b>hFc</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	49.6 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 60-68 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Examples



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

## Background

**Target 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.

**Synonyms :** Major prion protein; PrP; ALTPRP; PRIP; PRP; PRNP

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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