Mouse PRNP Protein, Ultra Low Endotoxin

Cat. No. PRP-MM201-UL

Description

Source	Recombinant Mouse PRNP Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus.
	It contains Lys23-Ser230.
Accession	P04925
Molecular Weight	The protein has a predicted MW of 49.6 kDa. Due to glycosylation, the protein migrates to 60-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

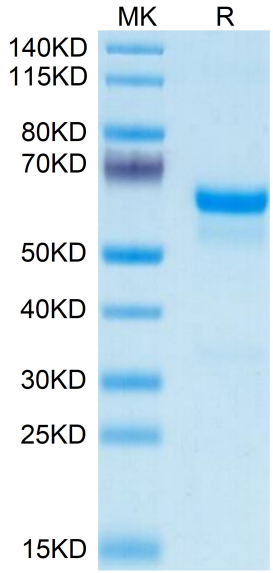
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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 ofthe regulatory region of the PRNP gene and the level ofits expression.

Assay Data

Bis-Tris PAGE



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