

For Research Use Only

# Recombinant Human PRNP protein (rFc Tag)



Catalog Number: Eg3359

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;1.0 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human PRNP protein Lys23-Gly229 (Accession# P04156-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 5621</p> <p><b>Accession:</b> P04156-1</p> <p><b>Predicted Molecular Mass:</b> 48.9 kDa</p> <p><b>SDS-PAGE:</b></p> <p><b>Formulation:</b> Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>The major prion protein (PrP) is encoded by the prion protein-encoding gene (PRNP). PrP is widely expressed in a variety of tissues and is abundant in the nervous system and participates in neuronal growth and survival. PrP expression is strongly associated with immune infiltrating cells, immunosuppressive cell infiltration and immune checkpoint molecules. PrP is an immune-related prognostic marker that holds promise for predicting outcomes related to colorectal cancer immunotherapy.</p>		
References	<ol style="list-style-type: none"><li>1.Broce IJ. et al. (2023) Ann Clin Transl Neurol. 10(4):536-552.</li><li>2.Lin C. et al. (2023) PLoS One. 18(8):e0288091.</li><li>3.Chen H. et al. (2024) Front Cell Dev Biol. 12:1391873.</li></ol>		
Synonyms	Prion protein PrP, PrP, Alternative prion protein, AltPrP, CD230		

## **Selected Validation Data**

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**For technical support and original validation data for this product please contact**

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