Recombinant Human PRNP, Fc-tagged

Cat. No. PRNP-373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human PRNP (NP_000302.1) (Met1-Gly229) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Met1-Gly229
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human PRNP/Fc comprises 448 amino acids and has a predicted molecular mass of 49.7 kDa. The apparent molecular mass of the protein is approximately 57.4 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	PRNP prion protein [Homo sapiens]
Official Symbol	PRNP
Synonyms	PRNP; prion protein; CJD, GSS, prion protein (p27 30) , PRIP; major prion protein; CD230; Creutzfeldt Jakob disease; fatal familial insomnia; Gerstmann Strausler Scheinker syndrome; p27 30; PRP; CD230 antigen; prion-related protein; CJD; GSS; PrP; ASCR; PRIP; PrPc; p27-30; PrP27-30; PrP33-35C; MGC26679;
Gene ID	5621
mRNA Refseq	NM_000311
Protein Refseq	NP_000302
MIM	176640
UniProt ID	P04156
Chromosome Location	20p13
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Glypican 1 network, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Prion diseases, organism-specific biosystem; Prion diseases, conserved biosystem;
Function	ATP-dependent protein binding; chaperone binding; copper ion binding; copper ion

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	binding; identical protein binding; metal ion binding; microtubule binding; protein binding; tubulin binding;

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