

Recombinant Mouse Prion Protein

Cat. No. Prnp-1065M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full length mouse Prion protein PrP, 211 amino acids, with a N-terminal methionine and serine, expressed from a PCR-amplified ORF segment, 23kDa, expressed in E. coli BL21(DE3)pLysS. Swiss ID = P04925.
Species	Mouse
Source	E.coli
Cat. No	Prnp-1065M
Description	Prion protein PrP is a membrane glycosylphosphatidylinositol anchored glycoprotein that tends to aggregate into rod like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt Jakob disease, fatal familial insomnia, Gerstmann Straussler disease, Huntington disease like 1, and kuru. Two transcript variants encoding the same protein have been found for this gene.
Purity	>95% by SDS-PAGE.
Purification	Prnp is purified by metal-chelation and ion exchange chromatography, copper refolded. It is solubilized from inclusion bodies in 8 M urea.

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Storage buffer	Preservative: None Constituents: 50mM Sodium acetate buffer
Form	Liquid
Concentration	2.100 mg/ml
Application	SDS-PAGE Use at an assay dependent dilution.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Full Length	Full L.
GENE INFORMATION	
Gene Name	<i>Prnp</i> prion protein [<i>Mus musculus</i>]
Synonyms	Prnp; prion protein; PrP; PrPC; Sinc; CD230; PrPSc; Prn-i; Prn-p; PrP<C>; AA960666; AI325101; OTTMUSP00000015760
Gene ID	19122
mRNA Refseq	NM_011170
Protein Refseq	NP_035300
UniProt ID	P04925
Chromosome Location	2 75.0 cM
Pathway	Prion diseases

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Function	copper ion binding
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PDB rendering based
on 1ag2.



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