

# Recombinant Mouse Prnp Protein

**Cat. No.** Prnp-289M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Prnp(23-231 aa) was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 23-231 aa                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Prion Protein (PrP) is an abundant cellular protein in mammalian neural tissue. It is associated with mammalian prion diseases, e.g. transmissible spongiforme encephalopathies that include human Creutzfeld-Jakob disease, bovine spongiforme encephalopathy, sheep scrapie, cervid's chronic wasting disease and various rodent prion diseases. In the disease process, PrP undergoes protein aggregation into disease specific PrPSc. |
| <b>Form</b>             | Finally dialysed in pure water, shock frozen in liquid nitrogen at a protein concentration of 0.25 mg/ml.                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 23163 kg/mol                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | GSKRPPKPGGWNTGGSRYPGQGSPGGNRYPPQGGTWGQPHGGGWGQPHGGS<br>WGQPHGGSWGQPHGGGWGQGGGTHNQWNKPSKPKTNLKHVAGAAAAGAVVG<br>GLGGYMLGSAMSRPMIHFGNDWED<br>RYYRENMRYRPNQVYYRPVDQYSNQNNFVHDCVNITIKQHTVTTTTTKGENFTETDV<br>KMMERVVEQMCVTQYQKESQAYYDGRSS                                                                                                                                                                                                       |

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|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 95% by SDS-PAGE                                                                             |
| <b>Applications</b>  | Prion Protein is frequently used in analytical aggregation assays                             |
| <b>Notes</b>         | Thawing: Gentle agitation at 37 centigrade until no ice is left. Keep on ice. Do not refreeze |
| <b>Storage</b>       | Store at -80 centigrade                                                                       |
| <b>Concentration</b> | 0.25 mg/ml                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Prnp prion protein [ Mus musculus ]</a>                                                                                     |
| <b>Official Symbol</b> | <a href="#">Prnp</a>                                                                                                                    |
| <b>Synonyms</b>        | PRNP; prion protein; major prion protein; PrP; PrPC; Sinc; CD230; PrPSc; Prn-i; Prn-p; PrP< C> AA960666; A1325101; prP27-30; prP33-35C; |
| <b>Gene ID</b>         | <a href="#">19122</a>                                                                                                                   |
| <b>mRNA Refseq</b>     | <a href="#">NM_011170</a>                                                                                                               |
| <b>Protein Refseq</b>  | <a href="#">NP_035300</a>                                                                                                               |
| <b>UniProt ID</b>      | <a href="#">P04925</a>                                                                                                                  |

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