

Recombinant Cervid PRNP protein, His-tagged

Cat. No. PRP-02C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cervid PRNP Protein with a His tag was expressed in E. coli.
Species	Cervid
Source	E.coli
Description	The protein encoded by this gene 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. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants.
Molecular Mass	~ 17.3 kDa, reducing conditions
AA Sequence	MGGGWGQSGTHSQWNKPSKPKTNMKHVAGAAAAGAVVGGLGGYMLGSAMSRPL IHFGNDYEDRYRENMYRYPNQVYYRPVDQYNNQNTFVHDCVNITVKQHTVTTTTK GENFTETDIKMMERVVEQMCITQYQRESQAYYQLEHHHHHH
Purity	> 90% by SDS-PAGE

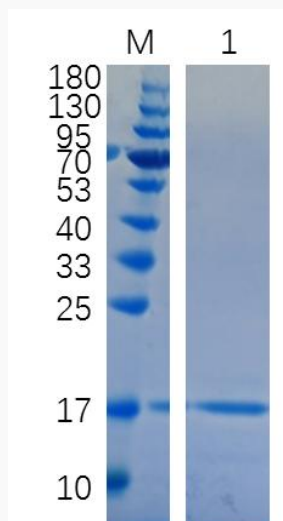
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.12 mg/mL
Storage Buffer	Supplied as a 0.2 µm filtered solution in PBS, pH 8.0
GENE INFORMATION	
Gene Name	PRNP prion protein [<i>Cervus canadensis</i>]
Official Symbol	PRNP
Synonyms	PRNP; prion protein; PrP; major prion protein; prion protein PrP
Gene ID	122448236
mRNA Refseq	XM_043479407
Protein Refseq	XP_043335342
UniProt ID	P79142

**SDS-PAGE analysis
of purified protein**



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