

# Recombinant human PRND protein

Catalog Number: ATGP1924

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

27-152aa

### UniProt No.

Q9UKY0

### NCBI Accession No.

NP\_036541

### Alternative Names

Prion-like protein doppel, Prion protein 2, DOPPEL, DPL, PrPLP

## PRODUCT SPECIFICATION

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### Molecular Weight

16.9 kDa (149aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

PRND is a membrane glycosylphosphatidylinositol-anchored glycoprotein that is found predominantly in testis. This protein is expressed during embryogenesis, but is expressed minimally in the central nervous system. Its function is still unknown. Mutations in PRND may lead to neurological disorders. Recombinant human PRND protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSRGIKHRI KWNRKALPST AQITEAQVAE NRPGAFIKQG RKLIDDFGAE GNRYYEANYW  
QFPDGIHYNG CSEANVTKEA FVTGCINATQ AANQGEFQKP DNKLHQVWLW RLVQELCSLK HCEFWLERG

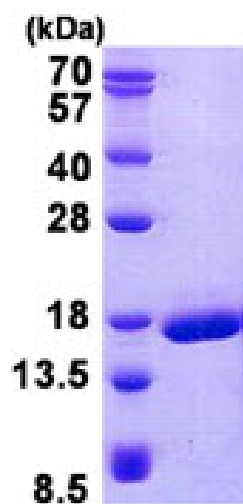
### General References

Peoc'h K, Guerin C, et al. (2000). *Neurosci Lett.* 286(2):144-8.  
Serres C, Peoc'h K, et al. (2006). *Biol Reprod.* 74(5):816-23.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)