Recombinant human PRND protein

Catalog Number: ATGP1924

PRODUCT INFORMATION

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

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

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

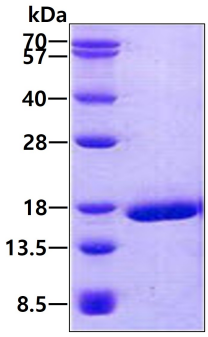
<MGSSHHHHHH SSGLVPRGSH MGS>RGIKHRI KWNRKALPST AQITEAQVAE NRPGAFIKQG RKLDIDFGAE GNRYYEANYW QFPDGIHYNG CSEANVTKEA FVTGCINATQ AANQGEFQKP DNKLHQQVLW RLVQELCSLK HCEFWLERG

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

SDS-PAGE



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