

PRND Human

Description: PRND Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids (27-152a.a) and having a molecular mass of 58.5kDa. PRND is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-025

For research use only.

Synonyms: Prion protein 2, DOPPEL, DPL, PrPL.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSRGIKHRI KWNRKALPST
AQITEAQVAE NRPGAFIKQG RKLDIDFGAE GNRYYEANYW QFPDGIHYNG CSEANVTKEA
FVTGCINATQ AANQGEFQKP DNKLHQQVLW RLVQELCSLK HCEFWLERG.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

PRND protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.2M NaCl, 30% glycerol and 1mM DTT.

Stability:

A2LD1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PRND is a membrane glycosylphosphatidylinositol-anchored glycoprotein which exists mainly in testis. PRND is expressed during embryogenesis, although in the central nervous system it is expressed minimally. Mutations in PRND may cause neurological disorders. PRND located on chromosome 20, about 20 kbp downstream of the gene encoding cellular prion protein, to which it is biochemically and structurally analogous.

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