

RPPB0887

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## Product Information    Protein Information

**Product SKU:**

RPPB0887

**Accession:**

O60542

**Host:**

Escherichia Coli.

**Protein description:**

PSPN Human Recombinant produced in E.Coli is a disulfide-linked homodimer containing 2x96 amino acids and having a molecular mass of 20.5kDa. The PSPN is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Persephin, PSP, PSPN.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized PSPN in 4mM HCl not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized PSPN although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PSPN should be stored at 4°C between 2-7 days and for future use 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.

**Amino Acid Sequence:**

ALSGPCQLWS LTLVAELGL GYASEEKVIF RYCAGSCPRG ARTQHGLALA RLQGQGRAHG GPCCRPTRYT  
DVAFLDDRHR WQRLPQLSAA ACGCGG.

**Biological Activity:**

Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TT medullary thyroid cancer cells is less than 10ng/ml, corresponding to a specific activity of > 1.0 × 100,000 IU/mg.