

## Murine Persephin

Synonyms: Persephin, PSPN.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
5 µg	1805.960.005		
20 µg	1805.960.020		
1 mg	1805.960.199		

Please enquire for bulk quantities and other vial sizes

### Description

PSPN Murine Recombinant produced in *E. Coli* is a disulfide-linked homodimer containing 2x96 amino acids and having a molecular mass of 20.7kDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2?m filtered concentrated solution in 30 %ACN, 0.1 %TFA, 150mM NaCl\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by a cell proliferation assay using human TT medullary thyroid cancer cells is less than 0.1ng/ml, corresponding to a specific activity of > 1.0 × 10,000,000 IU/mg.

### Reconstitution

It is recommended to reconstitute the lyophilized PSPN in sterile 18MΩ-cm H<sub>2</sub>O 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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

ALAGSCLWS LTLPVAELGL GYASEEKVIF RYCAGSCPQE ARTQHSLVLA RLRGRGRAHG RPCCQPTSYA  
 DVTFLDDQHH WQLPQLSAA ACGCGG

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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