



Persephin Mouse Recombinant

Item Number rAP-2712

Persephin, PSPN. Synonyms

Description PSPN Mouse Recombinant produced in E.Coli is a disulfide-linked homodimer containing 2x96 amino acids

and having a molecular mass of 20.7kDa.

The PSPN is purified by proprietary chromatographic techniques.

O70300 **Uniprot Accesion Number**

ALAGSCRLWS LTLPVAELGL GYASEEKVIF RYCAGSCPQE ARTQHSLVLA RLRGRGRAHG **Amino Acid Sequence**

RPCCQPTSYA DVTFLDDQHH WQQLPQLSAA ACGCGG

Source Escherichia Coli.

Physical Appearance

and Stability

Sterile Filtered White lyophilized (freeze-dried) powder. 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.

Lyophilized from a 0.2?m filtered concentrated solution in 30 %ACN, 0.1 %TFA, 150mM NaCl. Greater than Formulation and Purity

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

Application

Solubility It is recommended to reconstitute the lyophilized PSPN in sterile 18M?-cm H2O not less than 100µg/ml,

which can then be further diluted to other aqueous solutions.

Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay **Biological Activity**

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.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only