PSPN
Recombinant Human Persephin

Catalog No.	CRH324A	**Quantity:**	5 µg
	CRH324B		100 µg
	CRH324C		1 mg

Alternate Names: PSP

Description: Persephin is a neurotrophic factor of the glial cell line-derived neurotrophic factor (GDNF) family. Persephin promotes survival and growth of dopaminergic and motor neurons, but not peripheral neurons. Persephin is a ligand for the RET receptor tyrosine kinase.

Gene ID: 5623

UniProt ID: O60542

Source: *E. coli*

Molecular Weight: Dimer, 10.4/20.8 kDa (97/194 aa)

Formulation: Lyophilized from sterile-filtered 10 mM sodium phosphate, pH 7.5

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: ED_{50} ≤ 20 ng/ml, determined by the dose-dependent proliferation of human thyroid carcinoma cells (TT cells).

Specific Activity: ≥ 5.0 x 10^4 U/mg

Amino Acid Sequence: MALSGPCQLW SLTLSVAELG LGYASEEKVI FRYCAGSCPR GARTQHGLAL ARLQGQGRAH GGPCCRPTRY TDVAFLDDRH RWQRLPQLSA AACGCGG

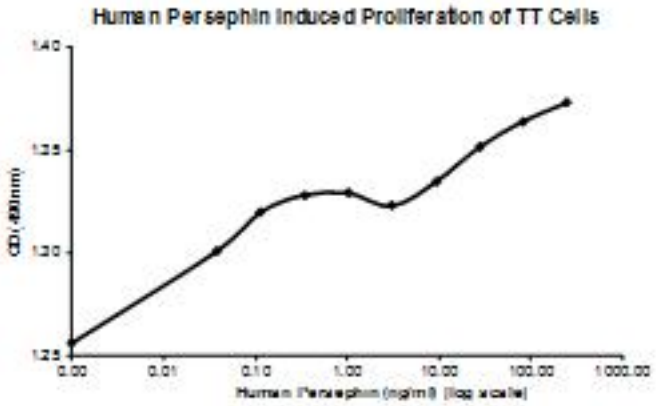
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

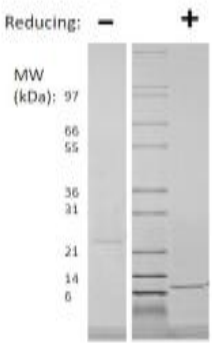
® **Cell Sciences** ®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.





Human Persephin QC Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Persephin is predicted to be a dimer with a total MW of 20.8 kDa (each monomer is 10.4 kDa).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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