

PSPN

Recombinant Human Persephin

Catalog No.	CRH324A CRH324B CRH324C	Quantity:	5 µg 100 µg 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:	<i>E. coli</i>		
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:	≤ 0.1 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. □		



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.

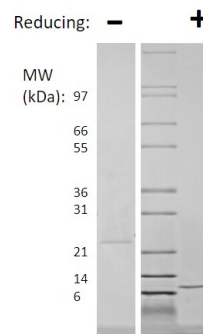
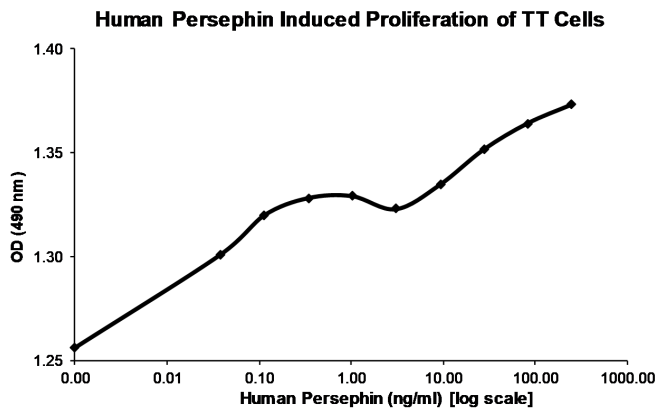
**Human Persephin QC Gel**

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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