

Active Recombinant Human PSPN Protein

Cat. No. PSPN-231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSPN Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
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.
Bio-activity	TT cell proliferation, ≤ 20 ng/mL
Molecular Mass	Dimer, 10.4/20.8 kDa (97/194 aa)
AA Sequence	MALSGPCQLWSLTLSVAELGLGYASEEKVIFRYCAGSCPRGARTQHGLALARLQGQ GRAHGGPCCRPTRYTDVAFLDDRHRWQRLPQLSAAACGCGG
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.

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Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	PSPN persephin [Homo sapiens (human)]
Official Symbol	PSPN
Synonyms	PSPN; persephin; PSP;
Gene ID	5623
mRNA Refseq	NM_004158
Protein Refseq	NP_004149
MIM	602921
UniProt ID	O60542

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