

## Active Recombinant Human PSPN Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PSPN Protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Bio-activity</b>	TT cell proliferation, $\leq 20$ ng/mL
<b>Molecular Mass</b>	Dimer, 10.4/20.8 kDa (97/194 aa)
<b>AA Sequence</b>	MALSGPCQLWSLTLSVAELGLGYASEEKVIFRYCAGSCPRGARTQHGLALARLQGQ GRAHGGPCCRPTRYTDVAFLDDRHRWQRLPQLSAAACGCGG
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	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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<b>Storage</b>	Storage Prior to Reconstitution: -20 centigrade
<b>Storage Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
<b>Reconstitution</b>	Sterile water at 0.1 mg/mL
<b>Shipping</b>	Room temperature
<b>Instructions</b>	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

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

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