

## Active Recombinant Human PSPN Protein

Cat. No. PSPN-098H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human Persephin protein consists of 96 amino acids (61-156) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	61-156 a.a.
<b>Description</b>	This gene encodes a secreted ligand of the GDNF (glial cell line-derived neurotrophic factor) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein signals through the RET receptor tyrosine kinase and a GPI-linked coreceptor, and promotes survival of neuronal populations. This protein may play a role in cell death, and nervous system development and function. Elevated expression of this gene has been observed in oral squamous cell carcinoma.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TT human medullary thyroid cancer cells. The ED50 for this effect is 4-16 ng/mL.
<b>Molecular Mass</b>	20.5 kDa
<b>Product-Related Proteins</b>	61-156

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<b>Endotoxin</b>	< 0.1 EU/μg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS

## GENE INFORMATION

<b>Gene Name</b>	PSPN persephin [ Homo sapiens (human) ]
<b>Official Symbol</b>	PSPN
<b>Synonyms</b>	PSPN; persephin; PSP; persephin
<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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