

Active Recombinant Human PSPN Protein

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

SPECIFICATION

Product Overview	The mature recombinant human Persephin protein consists of 96 amino acids (61-156) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	61-156 a.a.
Description	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.
Bio-activity	Measured in a cell proliferation assay using TT human medullary thyroid cancer cells. The ED50 for this effect is 4-16 ng/mL.
Molecular Mass	20.5 kDa
Product-Related Proteins	61-156

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

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

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