

Active Recombinant Human PSPN protein

Cat. No. PSPN-570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSPN protein(O60542)(61-156 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	61-156 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TT medullary thyroid cancer cells is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 20.5 kDa, a disulfide-linked homodimer of two 96 amino acid polypeptide chains.
AASequence	ALSGPCQLWS LTLSVAELGL GYASEEKVIF RYCAGSCPRG ARTQHGLALA RLQGQGRAHG GPCCRPTRYT DVAFLDDRHR WQRLPQLSAA ACGCGG
Endotoxin	Less than 0.1 EU/g of rHuPersephin as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

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from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name PSPN persephin [Homo sapiens]

Official Symbol PSPN

Synonyms PSPN; persephin; PSP;

Gene ID 5623

mRNA Refseq NM_004158

Protein Refseq NP_004149

MIM 602921

UniProt ID O60542

SDS-PAGE

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