

Persephin Active Protein | PSPN active protein

Recombinant Human Persephin

CATALOG # AAA39062	HOST E Coli
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PRODUCT SYNONYMS

Persephin; Recombinant Human Persephin; PSPN Human; Persephin Human Recombinant; PSPN active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Sequence	ALAGSCLWS LTLPVAELGL GYASEEKVIF RYCAGSCPQE ARTQHSLVLA RLRGRGRAHG RPCCQPTSYA DVTFLDDQHH WQQLPQLSAA ACGCGG
Sequence Length	156
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized PSPN in 4mM HCl not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Biological 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 10ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Preparation and Storage	Lyophilized PSPN although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution PSPN should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PSPN active protein	Description: PSPN Human Recombinant produced in E Coli is a disulfide-linked homodimer containing 2x96 amino acids and having a molecular mass of 20.5kDa. The PSPN is purified by proprietary chromatographic techniques. Introduction: Persephin is a member of the GDNF ligand subfamily of the TGF-beta superfamily. PSPN encourages the existence and growth of key dopaminergic and motor neurons, as well as taking part in kidney development. Nonetheless, persephin does not support existence of peripheral neurons.
Product Categories/Family for PSPN active protein	Cytokines and Growth Factors; Neurotrophins; Persephin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758974
NCBI GeneID	5623
NCBI Accession #	NP_004149.1

NCBI GenBank Nucleotide #	NM_004158.2
UniProt Accession #	O60542
NCBI Official Full Name	persephin
NCBI Official Synonym Full Names	persephin
NCBI Official Symbol	PSPN
NCBI Official Synonym Symbols	PSP
NCBI Protein Information	persephin
UniProt Protein Name	Persephin
UniProt Gene Name	PSPN
UniProt Synonym Gene Names	PSP
UniProt Entry Name	PSPN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-pspn-active-protein/persephin/39062>