

## Active Recombinant Mouse Pspn Protein

**Cat. No.** Pspn-5209M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse persephin (Pspn) without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<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. Mice lacking a functional copy of this gene exhibit hypersensitivity to cerebral ischemia.
<b>Bio-activity</b>	ED50 was determined by its ability to stimulate proliferation of human thyroid carcinoma cells (TT cells) is > 0.1 ng/mL, corresponding to a specific activity of > 1 × 10 <sup>7</sup> units/mg.
<b>Molecular Mass</b>	10.3 kDa
<b>AA Sequence</b>	ALAGSCLWLSLTPVAELGLGYASEEKVIFRYCAGSCPQEARTQHSLVLARLRGRG RAHGRPCCQPTSADVTFLDDQHHWQQLPQLSAAACGCGG
<b>Endotoxin</b>	< 0.1 ng/μg of protein (< 1 EU/μg)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Purity</b>	> 95% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μM filtered solution of 20 mM pH 7.2 phosphate buffer, 100 mM NaCl, pH 7.2

## GENE INFORMATION

<b>Gene Name</b>	Pspn persephin [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Pspn
<b>Synonyms</b>	PSPN; persephin; PSP
<b>Gene ID</b>	19197
<b>mRNA Refseq</b>	NM_008954
<b>Protein Refseq</b>	NP_032980
<b>UniProt ID</b>	A1L3Q1

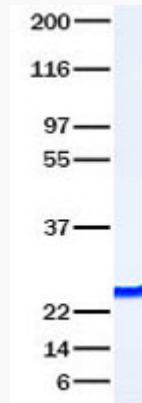
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



SDS-PAGE



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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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