

Active Recombinant Mouse Pspn Protein

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

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse persephin (Pspn) without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
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. Mice lacking a functional copy of this gene exhibit hypersensitivity to cerebral ischemia.
Bio-activity	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 ⁷ units/mg.
Molecular Mass	10.3 kDa
AA Sequence	ALAGSCRLWSLTLPVAELGLGYASEEKVIFRYCAGSCPQEARTQHSLVLARLRGRG RAHGRPCCQPTSYADVTFLLDDQHHWQQLPQLSAAACGCGG
Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)

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

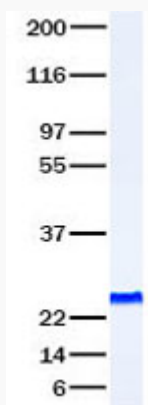
GENE INFORMATION

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

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SDS-PAGE

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