

Product datasheet for **TP723361**

Pspn (NM_008954) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse persephin (Pspn).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	ALAGSCLWS LTLPVAELGL GYASEEKVIF RYCAGSCPQE ARTQHSLVLA RLRGRGRAHG RPCCQPTSVA DVTFLDDQHH WQQLPQLSAA ACGCGG
Tag:	Tag Free
Predicted MW:	10.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	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 x 10 ⁷ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP_032980</u>
Locus ID:	19197
UniProt ID:	<u>A1L3Q1</u>
RefSeq Size:	474
Cytogenetics:	17 D
RefSeq ORF:	468
Synonyms:	PSP



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Summary:

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. [provided by RefSeq, Aug 2016]

Product images: