

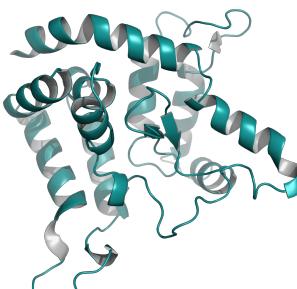
## DATASHEET

### Recombinant mouse Persephin / PSPN protein

## Product overview

Name	Recombinant mouse Persephin / PSPN protein
Cat No	HB8135
Species of origin	mouse
Alternative names	Recombinant Mouse Persephin, Persephin, PSPN.
Purity	>95%
Description	Recombinant mouse Persephin (PSPN) protein

## Images



## Biological Data

Application notes	Fully biologically active when compared to standard. ED <sub>50</sub> = <0.1ng/ml (determined by a cell proliferation assay using human TT medullary thyroid cancer cells), corresponding to a specific activity of > 1.0 x 10,000,000 IU/mg
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## Solubility & Handling

Solubility overview	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 100µg/ml, which can then be diluted to make a working solution
Handling	<ul style="list-style-type: none"><li>Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.</li></ul>
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

## Chemical Data

UniProt ID	O70300
Source	E. Coli.

UniProt ID  
Appearance  
Formulation

O70300  
White lyophilized powder (sterile filtered & freeze-dried)  
Lyophilized from a 0.2µm filtered solution in 30%ACN, 0.1%TFA, NaCl (150mM)

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## References

### Persephin, a novel neurotrophic factor related to GDNF and neurturin

Milbrandt J *et al* (1998) *Neuron* 20(2)  
PubMedID [9491986](#)

### Persephin signaling through GFRalpha1: the potential for the treatment of Parkinson's disease

Sidorova YA *et al* (2010) *Mol Cell Neurosci* 44(3)  
PubMedID [20350599](#)

### Persephin-overexpressing neural stem cells regulate the function of nigral dopaminergic neurons and prevent their degeneration in a model of Parkinson's disease

Akerud P *et al* (2002) *Mol Cell Neurosci* 21(2)  
PubMedID [12401443](#)

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