

Product datasheet for **TP727141**

Persephin (PSPN) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Persephin
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala61-Gly156
Buffer:	Lyophilized from a 0.2 um filtered solution of 4mM HCl.
Note:	Recombinant Human Persephin is produced by our E.coli expression system and the target gene encoding Ala61-Gly156 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	5623
UniProt ID:	O60542
Synonyms:	Persephin; PSP; PSPN
Summary:	<p>Persephin is a secreted protein, belongs to the glial cell linederived neurotrophic factor (GDNF) family of the TGF-β superfamily. It shares 38-46% amino acid (aa) identity with family members GDNF, neurturin and artemin. It is expressed at very low levels in most tissues. Mature protein contains a signal sequence, a pro-domain and a 96 aa mature sequence with several cysteines that are conserved among family members. It circulates as an unglycosylated disulfide-linked homodimer. Like other GDNF family members, Persephin acts through engagement of GRFβ4, a glycosylphosphatidylinositol (GPI)-linked GDNF receptor family Persephin is reported to promote both the survival and growth of central dopaminergic and motor neurons, and kidney development. These effects are correlated with the expression patterns of GFRβ4, and RET.</p>
Protein Families:	Secreted Protein



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