

Product datasheet for **SC303442**

Persephin (PSPN) (NM_004158) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Persephin (PSPN) (NM_004158) Human Untagged Clone
Tag:	Tag Free
Symbol:	Persephin
Synonyms:	PSP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004158 edited ATGGCCGTAGGGAAGTTCCTGCTGGGCTCCCTGCTGCTCCTGTCCTGCAGCTGGGACAG GGCTGGGGCCCCGATGCCCGTGGGGTTCCCGTGGCCGATGGAGAGTTCTCGTCTGAACAG GTGGCAAAGGCTGGAGGGACCTGGCTGGGCACCCACCGCCCCCTTGCCCGCCTGCGCCGA GCCCTGTCTGGTCCATGCCAGCTGTGGAGCCTGACCCTGTCCGTGGCAGAGCTAGGCCTG GGCTACGCCTCAGAGGAGAAGGTCATCTTCCGCTACTGCGCCGGCAGCTGCCCCGTGGT GCCCCGACCCAGCATGGCCTGGCGCTGGCCGGCTGCAGGGCCAGGGCCGAGCCACGGC GGGCCCTGCTGCCGGCCACTCGCTACACCGACGTGGCCTTCTCGATGACCGCCACCGC TGGCAGCGGCTGCCCCAGCTCTCGGCGGCTGCCTGCGGCTGTGGTGGCTGA
Restriction Sites:	Please inquire
ACCN:	NM_004158
Insert Size:	500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004158.2](#), [NP_004149.1](#)

RefSeq Size: 471 bp

RefSeq ORF: 471 bp

Locus ID: 5623

UniProt ID: [O60542](#)

Cytogenetics: 19p13.3

Protein Families: Secreted Protein

Gene 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. Elevated expression of this gene has been observed in oral squamous cell carcinoma. [provided by RefSeq, Aug 2016]