

Product datasheet for **MC209248**

Pspn (NM_008954) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pspn (NM_008954) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pspn
Synonyms: PSP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209248 representing NM_008954
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCAGGAAGACTTCGGATCCTGTGTCTGCTGCTCCTGTCCTTGCACCCGAGCCTCGGCTGGGTCC
 TTGATCTTCAAGAGGCTTCTGTGGCAGATAAGCTCTCATTGGGAAGATGCCAGAGACTAGAGGGACCTG
 GACGCCCATCAGGGTAACAACCATGTCCGTCTCCAAGAGCCTTGGCTGGTTCATGCCACTGTGGAGC
 CTGACCCTACCAGTGGCTGAGCTGGGCCTGGGCTATGCCTCGGAGGAGAAGGTCATCTCCGATACTGTG
 CTGGCAGCTGTCCCAAGAGGCCATACCCAGCACAGTCTGGTACTGGCCCGGCTTCGAGGGCGGGTCCG
 AGCCCATGGCCGACCCTGCTGCCAGCCCACCAGCTATGCTGATGTGACCTTCCTTGATGATCAGACCCAT
 TGGCAGCAGCTGCCTCAGCTCTCAGCTGCAGCTTGTGGCTGTGGTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_008954
Insert Size: 471 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).



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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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_008954.2</u> , <u>NP_032980.2</u>
RefSeq Size:	474 bp
RefSeq ORF:	471 bp
Locus ID:	19197
Cytogenetics:	17 D
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. Mice lacking a functional copy of this gene exhibit hypersensitivity to cerebral ischemia. [provided by RefSeq, Aug 2016]