

Product datasheet for **MC206272**

Psen2 (BC010403) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psen2 (BC010403) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psen2
Synonyms: PS2, PS-2, ALG-3
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC010403
 CCACGCGTCCGCCACGCGTCCGGGCGGAGCAGACCATGCTCGCATTTCATGGCCTCTGACAGCGAGGAAG
 AGGTGTGTGATGAGCGGACGTCCTTGATGTCAGCCGAGAGCCCCACATCTCGCTCCTGCCAGGAAGGCAG
 GCCAGGCCCGGAGGATGGAGAGAGCACTGCCAGTGGAGGACTCAGGAGAGCGAAGAAGACTGTGAAGAG
 GACCCGGACCGCTACGCATGCAGTGGGGCTCCTGGGCGACCGTCGGGCCTGGAGGAAGAGCTGACCCCTCA
 AGTATGGGGCGAAGCATGTGATCATGCTATTCGTGCCTGTACGCTGTGTATGATCGTGGTGGTGGCCAC
 TATCAAGTCTGTGCGTTTCTACACTGAGAAGAACGGGCAGCTCATCTACACGCCCTTCACGGAGGACACG
 CCCTCGGTGGGCCAGCGGCTCCTCAACTCCGTGCTTAACACCCTCATCATGATCAGCGTCATCGTAGTCA
 TGACCATCTTCTCGTGGTACTCTACAAGTATCGATGCTACAAGTTCATCCATGGCTGGCTGATCATGTC
 CTCCTGATGCTCCTTCTTGTTCACCTACATCTACCTCGGGGAAGTGTCAAGACCTACAATGTGGCC
 ATGGACTATCCACACTTCTCCTGGCTGTCTGGAACCTTCGGGGCAGTGGGCATGGTGTGCATCCACTGGA
 AGGGCCCTCTGGTGTGCAGCAGGCTTACCTTATTGTGATCAGCGCACTCATGGCCCTGGTGTTCATCAA
 GTACCTGCCGGAGTGGTCTGCCTGGGTCATCTTGGGTGCCATCTCTGTGTACGATCTCGTGGCCGTGCTG
 TGCCCCAAAGGGCCACTGAGGATGCTGGTGGAACTGCCAGGAGAGAAATGAGCCCATATTTCTGCCC
 TGATATACTCATCTGCCATGGTGTGGACGGTGGGCATGGCAAAGCTGGACCCCTCCTCTCAAGGAGCGCT
 GCAGCTCCCCTATGACCCAGAGATGGAAGAAGACTCCTACGACAGTTTTGGAGAACCCTCATACCCTGAA
 GCCTTCGAAGCTCCCCTGCCTGGCTACCCAGGGGAGGAGCTGGAGGAGGAGGAGAAAGGGGCGTGAAGC
 TCGGCCTGGGAGACTTCATCTTACAGCGTCTGGTGGGCAAGGCTGCAGCCACTGGCAACGGAGACTG
 GAACACTACGCTGGCCTGTTTTATCGCCATCCTCATTGGCTTGTGCTCACCCCTCTGCTGCTGCTGTG
 TTCAAGAAGGCTCTGCCCGCCCTCCCATCCTACCTTTGGACTCATCTTCTACTTCTCCACAGACA
 ACCTGGTGCGCCCTTTCATGGACTCTGGCCTCCCACCAGCTCTACATCTGACAGGAGCCAGGCGGAGG
 CTCCGAGAGCTATGGGGCGTCACTGGATGCAGGTGTATAGTTTTACTCTAGTGCCATATATTTTTTA
 AAGAAATTTTCTTCTTACAAAAGAAGAAGAAGAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC010403



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Insert Size:	1347 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).
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>BC010403</u> , <u>AAH10403</u>
RefSeq Size:	1520 bp
RefSeq ORF:	1347 bp
Locus ID:	19165
Cytogenetics:	1 84.19 cM
Gene Summary:	This gene encodes a member of the presenilin family. Presenilins are catalytic components of the multi-subunit gamma-secretase complex, which mediates critical cellular processes through cleavage of type I transmembrane proteins including Notch receptors and the amyloid precursor protein. The encoded protein contains eight transmembrane domains and is localized to the endoplasmic reticulum, where it may play a role in calcium homeostasis. Following assembly of the gamma-secretase complex, the encoded protein is cleaved into N- and C-terminal fragments and the activated complex is released from the endoplasmic reticulum. Inactivation of this gene results in impaired synaptic function in a mouse model for Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Apr 2011]