

Product datasheet for **RN210157**

Psen1 (NM_019163) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psen1 (NM_019163) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psen1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210157 representing NM_019163
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACAGAGATACCTGCACCTTTGTCTACTTCCAGAATGCACAGATGTCTGAGGACAGCCACTCCAGCA
 GCGTCCGTAGCCAGAATGACAATCAAGAACGGCAGCAGCATCATGACAGACAGAGACTTGACAACCCTGA
 GTCGATATCTAATGGCCGACCCAGAGTAACTTTACCAGGCAGGTGATAGAGCAAGATGAGGAGGAAGAC
 GAAGAGCTGACATTGAAATATGGAGCCAAGCACGTATCATGCTCTTTGTTCTGTGACCCTCTGCATGG
 TCGTTGTGGTGGCCACCATCAAGTCAGTCAGCTTCTACACCCGGAAGGATGGGCAGCTAATCTATACCCC
 ATTCACAGAAGACACCGAGACTGTAGGCCAGAGGCCCTGCCTCGATCTTGAATGCCGCCATCATGATC
 AGTGTATCGTCGTTATGACCATCCTCCTGGTGGTCTGTATAAGTACAGGTGCTACAAGGTCATCCATG
 CCTGGCTTATTGTTTCATCTCTGTTGTTGCTGTTCTTTTTTTCATTCTTTACTTAGGGGAAGTATTCAA
 GACCTACAATGTGCCGTGGACTATATTACGGTTGCACTCCTGATCTGGAATTTTGGTGTGGTGGGATG
 ATTGCCATTCAGTGGAAAGGCCACTCCGACTGCAGCAGGCGTATCTCATTATGATCAGTGCCCTCATGG
 CCCTGGTATTTATCAAGTACCTCCCTGAATGGACCGCATGGCTCATCTTGGCTGTGATTTCAGTATATGA
 TTTGGTGGCTGTTCTGTGCCCAAAGGTCCACTTCGATGCTGGTGGTGGTGAATATGGCTGAAGGAGACCCAG
 ACTCTCTTTCCAGCTCTTATCTATTCCTCAACCATGGTGTGGTGGTGAATATGGCTGAAGGAGACCCAG
 AAGCCCAAAGGAGGGTACCCAAAACCCCAAGTATAGCACACAAGGAACAGAGAGGGAAGAGACACAGGA
 CACTGGCACTGGGAGCGATGATGGTGGCTTCAGTGAGGAGTGGGAGGCCAAAGAGACAGTCACTGGGG
 CCTCATCGCTCCACTCCTGAGTCAAGAGCTGCTGTCAGGAACCTTCTGGGAGCATCCTCACTAGTGAAG
 ACCCGGAGGAAAGAGGAGTAAAGCTTGGGCTGGGAGATTTCAATTTCTACAGTGTCTGGTGGTAAAGGC
 CTCAGCGACCGCCAGTGGGGACTGGAACACAACCATAGCCTGCTTTGTAGCCATATTGATCGGCCTGTGC
 CTTACGTTACTCCTGCTCGCCATTTTCAAGAAAGCGTTGCCGGCCCTTCCCATCTCCATCACCTCGGGC
 TCATTTTCTACTTTGCCACGGATTATCTCGTGCAGCCCTCATGGACCAACTTGCATTCCATCAATTTTA
 TATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019163
- Insert Size:** 1407 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:**
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_019163.3](#), [NP_062036.2](#)
RefSeq Size: 1407 bp
RefSeq ORF: 1407 bp
Locus ID: 29192
UniProt ID: [P97887](#)
Cytogenetics: 6q24
Gene Summary: multitransmembrane protein; human homolog mutated in most cases of early onset familial Alzheimer's disease; may mediate retinal lamination and pattern formation [RGD, Feb 2006]