

Product datasheet for **MC202131**

Psenen (NM_025498) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psenen (NM_025498) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psenen
Synonyms:	1700023M09Rik; Pen-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024347 sequence for NM_025498 CGGAGGGGGTGGGGTGGCAGGGGGCTGGGCAGGAGAAGAAAAAAAAAGCGACAACAACTCCACTGAA AACTGCGGCATCTCCCGCAAATCTCCCGCAAAGGAATCCAGGCAGAAGGGATAAACCGCACTGGGGCGTG GTTGCTCGTGATCTTGGCTGTGATTTGGGTCTTGCTCTGCAGACCCTTAGGACCACCGGGCTCCAGCG CAACTATGAACCTGGAGCGGGTATCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGG ATTTGCGTTCCTGCCTTTTCTTTGGTTAGTCAACATTTTCTGGTCTTCAGAGAGGCGTTCTCGCCCCA GCCTACACAGAGCAGAGCCAAATCAAAGGCTATGTTTGGCGCTCAGCTGTGGGCTTCTCTTCTGGGTGA TCATTCTCGCCACCTGGATCACCATCTTCCAGATCTACCGCCCCGCTGGGGCGCTCTTGGGGACTACCT CTCCTTACCATTCCCCTGGGCACTCCCTAACAACTTCATAAGCTGCTGATCTGTTCTTTCTCCAGGAT GAAGGCTTCTGCTCTAGGCTTTCCCTCAGACCCTGAAGACATCTGTTTCTCATTCCCATCTGCCCA ATAAAGGACCCTAACTTTAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025498
Insert Size:	306 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).



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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: [BC024347](#), [AAH24347](#)

RefSeq Size: 670 bp

RefSeq ORF: 306 bp

Locus ID: 66340

UniProt ID: [Q9CQR7](#)

Cytogenetics: 7 B1

Gene Summary: Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein) (PubMed:12522139, PubMed:24941111). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels (Probable). PSENEN modulates both endoproteolysis of presenilin and gamma-secretase activity (PubMed:12522139, PubMed:24941111).[UniProtKB/Swiss-Prot Function]