

Product datasheet for RN210155

Psenen (NM_001008764) Rat Untagged Clone

Product data:

OriGene Technologies, Inc.

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Product Type: Expression Plasmids Product Name: Psenen (NM_001008764) Rat Untagged Clone Tag: Tag Free Symbol: Psenen Symonyms: RGD1312037 Mammalian Cell Neomycin Selection: PCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL) Fully Sequenced ORF: PRed=Cloning Site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGCCGGCGGGAATTCGTCGGATCCGGTACCGAGGAGATCTGCC GCCCGGATCGCC ATGAACTTAGAGCCGGTGTCCAATGAGGAGAGTTGAACCTGTGCCGGAACTACTATCTTGGTGGATTTG CAACAGACAGACAAACAACAGCATACTATTCTGGCGTCACTGGGGCTCTCTCGGGGACTACCTATCGCCGGCCC Restriction Sites: Sgfl-Mlul ACCCC1 ACCCGTACGCGCCCCGACGACAACCTATCGCGGACCTCGCGAGATCTGGCAGGACTCTGGGGACTCTCGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGGGACTACCTCTCCTGAACCTCTCCGAACGACGATAAGGCTTACTTA	Due du et True et	
Tag:Tag FreeSymbol:PsenenSynonyms:RGD1312037Mammalian CellNeomycinSelection:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Fully Sequenced ORF:>NRV210155 representing NM_001008764 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCGCGGGAATTCGTCGACTGGATCGGTACCGAGGAGATCTGCC GCCCGATCGCCAGACCTTAGAGCGGGGGGTGCCAATGAGGAGATTGACCTGTCCCGGAAGGAA	Product Type:	Expression Plasmids
Symbol:PsenenSynonyms:RGD1312037Mammalian CellNeomycinSelection:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Fully Sequenced ORF:>RM210155 representing NM_001008764Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTATACGACTCACTATAGGGGGGCGGGGAATTCGTCGGTACCGAGGAGATCTGCC GCCCGGATCCCGTACCGGTACCCAGGGAGATCTGCC GCCCGGATCCCCTTTTGGTCGCTCACTAGGGGGGCCCGGGAATTCGTCGGCTCCCGGTACCGAGGAGATCTGCC GCCCGGATCCCCTGACCCGGTACCCAGCGGAGGACTCTGCCCGGTACCGAGGAGATCGCC GCCCGGATCCCCTGACCCGGCCCGCGGGGGTGCCTCTCCTCTCGGGGACTACCTGCC CACAGGCGAGCCAATCAATGAAGCCTACTCTCGGACTCGCCCGGGGGGCTCCTCTCCTCGGGGACTACCCTGGC CACAGGCGAGCCGACTAACGCTTCTCCGGCCCCGCGGGGGGGCTCCTCTGCGGCAGCCAATGATGCCGGCCG	Product Name:	Psenen (NM_001008764) Rat Untagged Clone
Synonyms:RGD1312037Mammalian Cell Selection:NeomycinVector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Fully Sequenced ORF:>RN210155 representing NM_001008764 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCCATGAACTTAGAGCGGGTGTCCAATGAGGAGAAGTGAACCTGTGCCGGAAGTACTATCTTGGTGAATTG CACAGACGAAGCCAACTACTATCATGGCGCGCCCGCAAGAAGTGAACCTGTCCCCGCCCCCACCTA ACGACGAAGCAAACCAACCAATCAAGGCATCTATCTTGGCCGAAGTACTATCTTGGGCATCCCCTC CCACCTCGCCCCCCCCGACCAGAAACTCAACGCTCTTCCGGCAGCTACCTTCCGCGCAGCTAA CACAGAGACGAACCCACCTCCCCGACCAGAAACTCAAGGCCTCTTGGGGACTCCCCCCCC	Tag:	Tag Free
Mammalian Cell Selection:NeomycinVector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Fully Sequenced ORF:>RN210155 representing NL_001008764 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCCATGAACTTAGAGCGGGGTGTCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGGATTG CATTACGACCTAGGCAGGAGTACTATCTTGGTGGTTCAACAATGAAGAGGCTTGCTCCTCTCTGGGGATTG CCACAGACGAGGACGAAATCAAAGCATGGTCACATTTTGGTCGTTCAACAAGGGCTGCCTCGCTGGGGAGTACTATCTGGGGATTG CCACCACCTGGGCACTCCCTGARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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	Symbol:	Psenen
Selection: PCMV6-Entry (PS100001) E. coll Selection: Kanamycin (25 ug/mL) Fully Sequenced ORF: >PRV210155 representing NL_001008764 Red=Cloning site Blue=0RF 0range=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAACTTAGAGCGGGGTGTCCAATGAGAGAAGTTGAACCTGTGCGGAAGTACTATCTTGGTGGAGTTG CATTTCGCCTTTTCTTGGTGGTGCAACATTTTGGCGCTCAGCTGTGGGCTCCTGTGCGCCCCACCTG CACCAGCCGAAGCCAAATCAAAGGCTATTTGGCGCTCAGCTGTGGGCTCCTGTGGGACTACCTGTCCAGCTA CACAGCCGAGCCAAATCAAAGGCTATTTGGCGCTCAGCTGTGGGCTCCTGGGGACTACCTCTCCT CCACCACCTGGGCCCCTCGAGCAGAACTCAATCCAGCGGCCGCGGGGGGTGCCTTGGGGACTACCTGTCCT CCACCACTCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA Restriction Sites: Sgfl-Mlul ACCN: NM_001008764 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	Synonyms:	RGD1312037
E. coli Selection:Kanamycin (25 ug/mL)Fully Sequenced ORF:>RN210155 representing NM_001008764 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCCGCTTTGTAATACGACTCACTATAGGGCGGCCGGGAAGTTGACCGGGAGTACTACCGGCGGGGGGGCCCGGGAGTCTGCC GCCGCGACCGCCATGAACTTAGAGCGGGTGTCCAATGAGGAGAAGTTGAACCTGTGCCGGGAGTACTACTTGGTGGATTG CACAGAGCAGAGCCAAATCAAAGGCTATGTTGGCGCTCACGGTGGCGCTCCTGGGGGTGCTCTTGGGGACTACCTCTCC TCACCATTCCCCTGGGCACTCCCGARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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		Neomycin
Fully Sequenced ORF: >RN210155 representing NM_001008764 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCCGGGAATTCGTCGGACTGGATCCGGAGGAGATCTGCC GCCGCGATGGCC ATGAACTTAGAGCGGGTGTCCAATGAGGAGGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGGATTTG CATGAACTTAGAGCGGGGTGTCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGGATTTG CACAGAGCAGGCCAAATCAAAGGCTATGTTGGCGCTCAGCTGTGGGCTTCTTCGGTGCAGTCAGCCTT CACCAGGCCGAGGCCAAATCAAAGGCTATGTTGGCGCTCAGCTGTGGGCTTCTTCGGGGACTACCTCTCC TCACCAGCCGGGCCGCTCGAGCAGAAACTCATCTACGGGCCCCGCTGGGGTGCTCTTGGGGACTACCTCTCCT TCACCATTCCCCTGGGCACTCCCTGA Restriction Sites: Sgfl-Mlul ACCCN: NM_001008764 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	Vector:	pCMV6-Entry (PS100001)
Red=Cloning site Blue=0RF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCCATGAACTTAGAGCGGGTGTCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGGATTG CATTTCTGCTTTTTCTTTGTTGGTCAACATTTTCTGGTTCTTCAAAGAGGCCTTCCTCGCTCAGCCGA CACAGACACACCCATCTTCCGGCCAACACTTTTCGTGGTCAACACTTTTCTGGTGGAGTGT CTCACCACCGGACGCACACCTCTCCAGATCTACCGGCCCGCTGGGGTGCTCTTGGGGACTACCTCTCT TCACCACTCCCCTGGCCCCCGTGGGCGTCCTTGGGGACTACCTCTCT TCACCACTCCCCTGGCCCCCGTGGGCTCCTGGCAGCAAATGATATCCTGGATT ACAGGGTACGCGCGCCCGCGGGCCCCGCGGGGGTCCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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	E. coli Selection:	Kanamycin (25 ug/mL)
GCCGCGATCGCCATGAACTTAGAGCGGGGTGTCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGATAGATTG CATTTCTGCCTTTTCTTGGTGGTGAACATTTTCTGGTTGTCAAAGAGGCCTTCTTCGGTGAGCTAT CACAGAGCAGAGCCAAATCAAAGGCTATGTTTGCGGCCCGCTGGGGCTTCCTCTTGGGGACTACCTCCCT TCACCACTCGGACCACCTCGGGCACTCCCTGAACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGACGACAAAGGTTTAARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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	Fully Sequenced ORF:	
CATTTCTGCCTTTTCTTGGTTGGTCAACATTTTCTGGTTCTTCAAAGAGGCCTTCTTCGCTCCAGCCTA CACAGAGCAGAGCCAAATCAAAGGCTATGTTTGCCGGCTCAGCTGGGGCTTCCTCTTCGGGTGATTGTT CTCACCATCCCCTGGGCACCACATCTACCGGCCCCGCTGGGGTGCTCTTGGGGACTACCTCTCCT TCACCATTCCCCTGGGCACCACATCATCCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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		
ACAAGGATGACGACGATAAGGTTTAARestriction Sites:Sgfl-MlulACCN:NM_001008764Insert Size:306 bpOTI 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		CATTTCTGCCTTTTCTTTGGTTGGTCAACATTTTCTGGTTCTTCAAAGAGGCCTTCTTCGCTCCAGCCTA CACAGAGCAGAG
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	Components:	



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Psenen (NM_001008764) Rat Untagged Clone - RN210155

Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001008764.2, NP 001008764.1</u>
RefSeq Size:	572 bp
RefSeq ORF:	306 bp
Locus ID:	292788
UniProt ID:	<u>Q6Q168</u>
Cytogenetics:	1q21
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). 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. PSENEN modulates both endoproteolysis of presenilin and gamma-secretase activity.[UniProtKB/Swiss-Prot Function]

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