

Product datasheet for MR200307

Psenen (NM_025498) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psenen (NM_025498) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psenen
Synonyms: 1700023M09Rik; Pen-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200307 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTGGAGCGGGTATCCAATGAGGAGAAGTTGAACCTGTGCCGGAAGTACTATCTTGGTGGATTTG
 CGTTCCTGCCTTTTCTTTGGTTAGTCAACATTTTCTGGTCTTCAGAGAGGCGTTCCTCGCCCCAGCCTA
 CACAGAGCAGAGCCAAATCAAAGGCTATGTTTGGCGCTCAGCTGTGGCTTCTCTTCTGGGTGATCATT
 CTCGCCACCTGGATCACCATCTCCAGATCTACCGGCCCGCTGGGGCGCTCTTGGGGACTACCTCTCT
 TCACCATTCCCCTGGGCACTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200307 protein sequence
 Red=Cloning site Green=Tags(s)
 MNLERVSNEEKLNLCKRYLGGFAFLPFLWLVNIFWFFREAFAPAYTEQSIKGYVWRSVAVGFLFWVII
 LATWITIFQIYRPRWGALGDYLSFTIPLGTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Locus ID: 66340

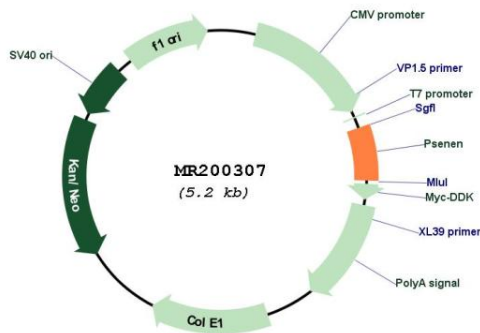
UniProt ID: [Q9CQR7](#)

Cytogenetics: 7 B1

MW: 12 kDa

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]

Product images:



Circular map for MR200307