

## Product datasheet for SC201685

### PEN2 (PSENE1) (NM\_172341) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PEN2 (PSENE1) (NM_172341) Human 3' UTR Clone
Symbol:	PEN2
Synonyms:	ACNINV2; MDS033; MSTP064; PEN-2; PEN2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_172341
Insert Size:	702 bp
Insert Sequence:	>SC201685 3'UTR clone of NM_172341 The sequence shown below is from the reference sequence of NM_172341. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTTCACCATACCCCTGGGCACCCCTTGCAACTTCTGCACATACTGGGGCCCTGCTTATTCTCCAG
GACAGGCTCCTTAAAGCAGAGGAGCCTGCTCCTGGGAGCCCTTCTCAAACCTAAGACTTGTTTTCAT
GTCCACGTTCTCTGCTGACATCCCCAATAAAGGACCCTAACTTTCGATACTGACTTCTGGGATCTT
TTAGAGGTTGAGGCATAAATGATTATTAATATTTAAAAACATCTGTTGAGAGCTTTGTACGAGGCTTAG
TATTTAGACATGATGTACATTTTTTACAGTGCATACTACTCATAATCTTCTGAACTAGGAACTTTCTCTG
CTCAGGAAACTATTAGATGAGAACTAAGAAAGGAATAGTGCTTCCATTTCTTTTTCTTTTTCTTTTT
TTTTTTTTTTTTGAGACAGAGTCTTGCTCTGTACGCCAGGCTGGAGTGCAGTGGTAGGATCGGCCTAG
TGCTTCCATTTCTAGGGGCTGTTATCCTGTACTGGTAGTCGTGAATTCAAAAATAAATTTCTACTG
TGGGCTGCAGTATTCTCATCAGAAGTGTAGATCACGATGCTACTTCTGGGATTTATCTGGACCAAGAC
GTGTGACAAATGGAAGTTTCCCGTTTTCTGAAGGAAGTGTGTCTGCAAAAATAAAAATAGTCAAGAGC
TTTCTCAGAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_172341.4</a>
<b>Summary:</b>	Presenilins, which are components of the gamma-secretase protein complex, are required for intramembranous processing of some type I transmembrane proteins, such as the Notch proteins and the beta-amyloid precursor protein. Signaling by Notch receptors mediates a wide range of developmental cell fates. Processing of the beta-amyloid precursor protein generates neurotoxic amyloid beta peptides, the major component of senile plaques associated with Alzheimer's disease. This gene encodes a protein that is required for Notch pathway signaling, and for the activity and accumulation of gamma-secretase. Mutations resulting in haploinsufficiency for this gene cause familial acne inversa-2 (ACNINV2). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
<b>Locus ID:</b>	55851
<b>MW:</b>	26.9