

Product datasheet for **SC207102**

Presenilin 2 (PSEN2) (NM_012486) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Presenilin 2 (PSEN2) (NM_012486) Human 3' UTR Clone
Symbol:	Presenilin 2
Synonyms:	AD3L; AD4; CMD1V; PS2; STM2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012486
Insert Size:	549 bp
Insert Sequence:	>SC207102 3'UTR clone of NM_012486 The sequence shown below is from the reference sequence of NM_012486. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCCTGGCCTCCCATCAGCTCTACATCTTGAGGGACATGGTGTGCCACAGGCTGCAAGCTGCAGGGAATT
TTCATTGGATGCAGTTGTATAGTTTTACTCTAGTGCCATATATTTTTAAGACTTTTCTTCTTAAA
AAATAAAGTACGTGTTTACTTGGTGAGGAGGAGGCAGAACCAGCTCTTTGGTGCCAGCTGTTTCATCAC
CAGACTTTGGCTCCCGCTTTGGGGAGCGCCTCGCTTACGGACAGGAAGCACAGCAGGTTTATCCAGAT
GAACTGAGAAGGTCAGATTAGGGCGGGGAGAAGAGCATCCGGCATGAGGGCTGAGATGCGCAAAGAGTG
TGCTCGGGAGTGCCCTGGCACCTGGGTGCTCTGGCTGGAGAGGAAAAGCCAGTTCCCTACGAGGAGT
GTTCCCAATGCTTTGTCCATGATGTCCTTGTTATTTTATTGCCTTTAGAACTGAGTCCTGTTCTTGT
ACGGCAGTCACACTGCTGGGAAGTGGCTTAATAGTAATATCAATAAATAGATGAGTCCTGTTAGAA
ACGCGTAAGCGGCCCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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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Components:	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.
RefSeq:	NM_012486.3
Summary:	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or PSEN2) or the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor such that, they either directly regulate gamma-secretase activity, or themselves act as protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified. [provided by RefSeq, Jul 2008]
Locus ID:	5664
MW:	20.1