

## Product datasheet for **SC212694**

### Amyloid Precursor Protein (APP) (NM\_001136130) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Amyloid Precursor Protein (APP) (NM\_001136130) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** APP  
**Synonyms:** AAA; ABETA; ABPP; AD1; alpha-sAPP; APPI; CTFgamma; CVAP; PN-II; PN2; preA4  
**ACCN:** NM\_001136130  
**Insert Size:** 1150 bp  
**Insert Sequence:** >SC212694 3'UTR clone of NM\_001136130  
The sequence shown below is from the reference sequence of NM\_001136130. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TACAAGTCTTTGAGCAGATGCAGAACTAGACCCCGCCACAGCAGCCTCTGAAGTTGGACAGCAAAAC
CATTGCTTCACTACCCATCGGTGCCATTTATAGAATAATGTGGGAAGAAACAAACCCGTTTATGATT
TACTCATTATCGCCTTTTGACAGCTGTGCTGTAACACAAGTAGATGCCTGAACCTGAATTAATCCACAC
ATCAGTAATGTATTCTATCTCTCTTTACATTTTGGTCTCTATACTACATTATTAATGGGTTTTGTGTAC
TGTAAGAATTTAGCTGTATCAAAGTAGTGCATGAATAGATTCTCTCCTGATTATTTATCACATAGCCC
CTTAGCCAGTTGTATATTCTTGTGGTTTGTGACCAATTAAGTCTACTTTACATATGCTTTAAGA
ATCGATGGGGATGCTTCATGTGAACGTGGGAGTTCAGCTGCTTCTTGCCTAAGTATTCCTTTCTG
ATCACTATGCATTTTAAAGTTAAACATTTTAAAGTATTTTCAAGTATTTAGAGAGATTTTTTTCCATG
ACTGCATTTTACTGTACAGATTGCTGCTTCTGCTATATTTGTGATATAGGAATTAAGAGGATACACAG
TTTGTCTTCTCGTGCCTGTTTTATGTGCACACATTAGGCATTGAGACTTCAAGCTTTCTTTTTTGTG
CACGTATCTTTGGTCTTTGATAAAGAAAAGAATCCCTGTTCAATTGTAAGCACTTTACGGGGCGGGTG
GGGAGGGGTGCTCTGCTGGTCTTCAATTACCAAGAATTCTCCAAAACAATTTTCTGCAGGATGATTGTA
CAGAATCATTGCTTATGACATGATCGCTTCTACACTGTATTACATAAATAAATAAATAAATAAATCC
CGGGCAAGACTTTTCTTTGAAGGATGACTACAGACATTAATAATCGAAGTAATTTGGGTGGGGAGAA
GAGGCAGATTCAATTTCTTTAACCAGTCTGAAGTTTCATTTATGATACAAAAGAAGATGAAAATGGAA
GTGGCAATATAAGGGGATGAGGAAGGCATGCCTGGACAAACCTTCTTTAAGATGTGTCTTCAATTTG
TATAAATGGTGTTTTCATGTAATAAATAACATTTCTGGAGGAGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	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).
<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_001136130.3</a>
<b>Summary:</b>	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
<b>Locus ID:</b>	351
<b>MW:</b>	44.5