

## Product datasheet for **SC212766**

### APH1A (NM\_016022) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** APH1A (NM\_016022) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** APH1A  
**Synonyms:** 6530402N02Rik; APH-1; APH-1A; CGI-78  
**ACCN:** NM\_016022  
**Insert Size:** 1148 bp  
**Insert Sequence:** >SC212766 3'UTR clone of NM\_016022  
The sequence shown below is from the reference sequence of NM\_016022. 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
ATTCAGCGCAGCCTCTTGTGTAAGGACTGACTACCTGGACTGATCGCCTGACAGATCCCACCTGCCTGT
CCACTGCCCATGACTGAGCCCAGCCCAGCCCGGTCCATTGCCACATTCTGTCTCCTTCTCGTCG
GTCTACCCCACTACCTCCAGGTTTTGCTTTGTCCTTTGTGACCGTTAGTCTCTAAGCTTTACCAGGA
GCAGCCTGGGTTTCAGCCAGTCAGTGACTGGTGGGTTTGAATCTGCACTTATCCCCACCACCTGGGGACC
CCCTTGTGTGTCCAGGACTCCCCTGTGTGCTGCTCTCACCCTGCCAAGACTCACCTCCCT
TCCCCTCTGCAGGCCGACGGCAGGAGGACAGTCGGGTGATGGTGTATTCTGCCCTGCGCATCCCACCCG
AGGACTGAGGGAACCTAGGGGGACCCCTGGGCCTGGGTGCCCTCCTGATGTCCTGCCCCTGTATTTC
TCCATCTCCAGTTCTGGACAGTGCAGGTTGCCAAGAAAAGGGACCTAGTTTAGCCATTGCCCTGGAGAT
GAAATTAATGGAGGCTCAAGGATAGATGAGCTCTGAGTTTCTCAGTACTCCCTCAAGACTGGACATCTT
GGTCTTTTCTCAGGCCCTGAGGGGAACCATTTTTGGTGTGATAAATACCCTAAACTGCCTTTTTTCTC
TTTTTGAGGTGGGGGAGGGAGGAGGTATATTGAACTCTTAACTCCTTGGGCTATATTTTCTCTC
CTCGAGTTGCTCCTCATGGCTGGGCTCATTTCGGTCCCTTTCTCCTTGGTCCCAGACCTTGGGGGAAAG
GAAGGAAGTGCATGTTTGGGAACTGGCATTACTGGAATAATGGTTTTAACCTCCTTAACCACCGCAT
CCCTCCTCTCCCCAAGGTGAAGTGGAGGGTGTGTGGTGAAGTGGCCACTCCAGAGCTGCAGTGCCACT
GGAGGAGTCACTACCATGACATCGTAGGGAAGGAGGGGAGATTTTTTGTAGTTTTTAATTGGGGTG
TGGGAGGGGGGGGAGGTTTTCTATAAACTGTATCATTTTCTGCTGAGGGTGGAGTGTCCCATCCTTTT
AATCAAGTGATTGTGATTTTACTAATAAAAAAGAATTTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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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>	<u><a href="#">NM_016022.4</a></u>
<b>Summary:</b>	This gene encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing results in multiple protein-coding and non-protein-coding transcript variants. [provided by RefSeq, Aug 2011]
<b>Locus ID:</b>	51107
<b>MW:</b>	40.8