

Product datasheet for **SC326540**

Aph 1b (APH1B) (NM_001145646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aph 1b (APH1B) (NM_001145646) Human Untagged Clone
Tag:	Tag Free
Symbol:	APH1B
Synonyms:	APH-1B; PRO1328; PSFL; TAAV688
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326540 representing NM_001145646. Blue=Insert sequence Red=Cloning site Green=Tag(s)

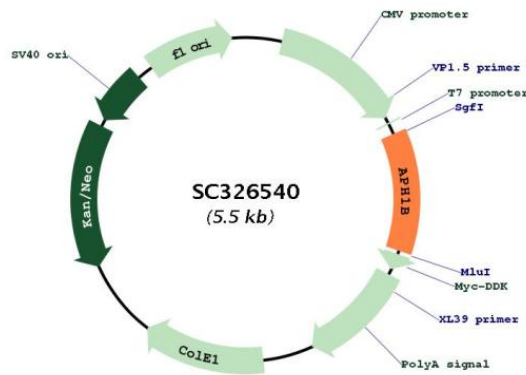
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTGCGGCCGTGTTCTTCGGCTGCGCTTCATTGCCTTCGGGCTGCGCTCGCCCTTATGTCTTC
ACCATCGCCACCGAGCCGTTGCGTATCATCTTCCTCATCGCCGGAGCTTCTTCTGGTTGGTGTCTCTA
CTGATTCGTCCTTGTGGTTCATGGCAAGAGTCATTATTGACAACAAAGATGGACCAACACAGAAA
TATCTGCTGATCTTTGGAGCGTTTGTCTGTCTATATCCAAGAAATGTTCCGATTTGCATATTATAAA
CTCTTAAAAAAGCCAGTGAAGTTTGAAGAGTATAAACCAGGTGAGACAGACCCTCTATGCGACTG
CTGGCCTATGCTTTCATGACGCTGGTCATTATCTTGTCTGATGATTCTGGGCATTGTATTTTTGAT
GGCTGTGAGAAGAAAAGTGGGGCATCCTCCTTATCGTTCTCCTGACCCACCTGCTGGTGTGAGCCAG
ACCTTCATAAGTTCTTATTATGGAATAAACCTGGCGTCAGCATTATAATCCTGGTGTCTATGGGCACC
TGGGCATTCTTAGCTGCGGGAGGCAGCTGCCGAAGCCTGAAACTGCGCTGCTCTGCCAAGACAAGAAC
TTTCTTTTACAACCAGCGCTCCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001145646

Insert Size: 651 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001145646.1](#)

RefSeq Size: 4082 bp

RefSeq ORF: 651 bp

Locus ID: 83464

UniProt ID: [Q8WW43](#)

Cytogenetics: 15q22.2

Protein Families: Transmembrane

MW: 24.3 kDa

Gene Summary: This gene encodes a multi-pass transmembrane protein that is a functional component of the gamma-secretase complex, which also contains presenilin and nicastrin. This protein represents a stabilizing cofactor for the presenilin holoprotein in the complex. The gamma-secretase complex catalyzes the cleavage of integral proteins such as notch receptors and beta-amyloid precursor protein. [provided by RefSeq, Sep 2011]

Transcript Variant: This variant (2) lacks an in-frame coding exon and encodes a shorter isoform (2), as compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.