

Product datasheet for **SC319931**

Aph 1b (APH1B) (NM_031301) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aph 1b (APH1B) (NM_031301) Human Untagged Clone
Tag: Tag Free
Symbol: Aph 1b
Synonyms: APH-1B; PRO1328; PSFL; TAAV688
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_031301.2
GGTTTCCGCGGTGGCCATGACTGCGGCCGTGTTCTTCGGCTGCGCCTTCATTGCCTTCGG
GCCTGCGCTCGCCCTTTATGTCTTCACCATCGCCACCGAGCCGTTGCGTATCATCTTCT
CATCGCCGGAGCTTTCTTCTGGTTGGTGTCTCTACTGATTTTCGTCCTTGTGGTTCAT
GGCAAGAGTCATTATTGACAACAAGATGGACCAACACAGAAATATCTGCTGATCTTTGG
AGCGTTTGTCTGTCTATATCCAAGAAATGTTCCGATTTGCATATTATAAACTCTTAA
AAAAGCCAGTGAAGGTTTGAAGAGTATAAACCCAGGTGAGACAGCACCTCTATGCGACT
GCTGGCCTATGTTTCTGGCTTGGGCTTTGGAATCATGAGTGGAGATTTTCCTTTGTGAA
TACCCTATCTGACTCCTGGGGCCAGGCACAGTGGGCATTTCATGGAGATTCTCCTCAATT
CTTCCTTTATTGAGCTTTTCATGACGCTGGTCATTATCTTGCTGCATGTATTCTGGGGCAT
TGTATTTTTTGTGGCTGTGAGAAGAAAAAGTGGGGCATCCTCCTTATCGTTCTCCTGAC
CCACCTGCTGGTGTGAGCCAGACCTTCATAAGTTCTTATTATGGAATAAACCTGGCGTC
AGCATTATAATCCTGGTGTCTATGGGCACCTGGGCATTCTTAGCTGCGGGAGGCAGCTG
CCGAAGCCTGAACTCTGCCTGCTCTGCCAAGACAAGAACTTTCTTTTACAACCGCG
CTCCAGATAACCTCAGGGAACAGCACTTCCCAAACCGCAGACTACATCTTTAGAGGAAG
CACAAGTGCCTTTTCTGAAATCCCTTTTCTGGTGGAAATTGAGAAAGAAATAAAAC
TATGCAGATATGCGTTCATACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031301

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).



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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:	<ol style="list-style-type: none"> 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:	<u>NM_031301.2</u> , <u>NP_112591.2</u>
RefSeq Size:	939 bp
RefSeq ORF:	774 bp
Locus ID:	83464
UniProt ID:	<u>Q8WW43</u>
Cytogenetics:	15q22.2
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (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.</p>