

Product datasheet for **RG226500**

Aph 1b (APH1B) (NM_001145646) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aph 1b (APH1B) (NM_001145646) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: APH1B
Synonyms: APH-1B; PRO1328; PSFL; TAAV688
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG226500 representing NM_001145646
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCGGCCGTGTTCTTCGGCTGCGCCTTCATTGCCTTCGGGCTGCGCTCGCCCTTATGTCTTCA
CCATCGCCACCGAGCCGTTGCGTATCATCTTCCTCATCGCCGGAGCTTCTTCTGGTTGGTGTCTCTACT
GATTCGTCCTTGTGGTTCATGGCAAGAGTCATTATTGACAACAAAGATGGACCAACACAGAAATAT
CTGCTGATCTTTGGAGCGTTTGTCTCTGTCTATATCCAAGAAATGTTCCGATTTGCATATTATAAATCT
TAAAAAAGCCAGTGAAGTTTGAAGAGTATAAACCCAGGTGAGACAGCACCCCTATGCGACTGCTGGC
CTATGCTTTCATGACGCTGGTCATTATCTTGCTGCATGTATTCTGGGGCATTGTATTTTTGATGGCTGT
GAGAAGAAAAAGTGGGGCATCCTCCTTATCGTTCTCCTGACCCACCTGCTGGTGTGAGCCAGACCTTCA
TAAGTTCTTATTATGGAATAAACCTGGCGTCAGCATTATAATCCTGGTGTCTATGGGCACCTGGGCATT
CTTAGCTGCGGGAGGCAGCTGCCGAAGCCTGAACTCTGCCTGTCTGCCAAGACAAGAAGCTTTCTTCTT
TACAACCAGCGCTCCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226500 representing NM_001145646
Red=Cloning site Green=Tags(s)

MTAAVFFGCAFIAFGPALALYVFTIATEPLRIIFLIAGAFFWLVSLLISSLVWFMARVIIDNKDGPTQKY
 LLIFGAFVSVYIQEMFRFAYYKLLKKASEGLKSINPGETAPSMRLLAYAFMTLVIIILLHVFVGIVFFDGC
 EKKKWGILLIVLLTHLLVSAQTFISSYYGINLASAFIILVLMGTWAFLAAGGSCRSLKCLLCQDKNFLL
 YNQRSR

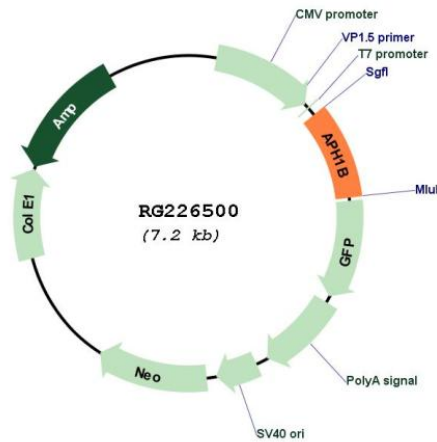
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145646

ORF Size: 648 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001145646.1 , NP_001139118.1
RefSeq Size:	4082 bp
RefSeq ORF:	651 bp
Locus ID:	83464
UniProt ID:	Q8WW43
Cytogenetics:	15q22.2
Protein Families:	Transmembrane
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]