

## Product datasheet for **RG221119**

### **APOA1BP (NAXE) (NM\_144772) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APOA1BP (NAXE) (NM_144772) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APOA1BP
Synonyms:	AIBP; APOA1BP; PEBEL; YJEFN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221119 representing NM_144772 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCAGGCTGCGGGGCTGCTGGCCTCGGGCTGCTGGTTGCGGGCTCGCGCCTGCCGCGATCAAAA  
GCCAGACCATCGCTGTCGCTCGGGACCCACCTGGTGGGACCGCAGCGGCTGAACTCGGGTGGCCGCTG  
GGACTCAGAGGTCATGGCGAGCACGGTGGTGAAGTACCTGAGCCAGGAGGAGGCCAGGCCGTGGACCAG  
GAGCTATTTAACGAATACCAGTTCAGCGTGGACCAACTTATGAACTGGCCGGGCTGAGCTGTGCTACAG  
CCATCGCCAAGGCATATCCCCCAGTCCATGTCCAGGAGCCCCCTACTGTCCTGGTCATCTGTGGCCC  
GGGAATAATGGAGGAGATGGTCTGGTCTGTGCTCGACACCTCAAACCTTTGGCTACGAAACCAACCATC  
TATTACCCAAAAGGCCTAACAGCCCTCTTCACTGCATTGGTGACCCAGTGTCAGAAAATGGACATCC  
CTTTCTTGGGAAATGCCCGCAGAGCCCATGACGATTGATGAACTGTATGAGCTGGTGGTGGATGCCAT  
CTTTGGCTTCAGCTTCAAGGGCGATGTTCCGGGAACCGTCCACAGCATCCTGAGTGTCTGAAGGGACTC  
ACTGTGCCATTGCCAGCATCGACATCCCTCAGGATGGGACGTGGAGAAGGAAATGCTGGAGGGATCC  
AGCCAGACTTGCTCATCTCCCTCACAGCCCCAAAAAATCTGCAACCCAGTTTACCGGTCTGCTACCATTA  
CCTGGGGGTCGTTTTGTGCCACCTGCTCTGAAAAAGAAGTACCAGCTGAACCTGCCACCCTACCCTGAC  
ACTGAGTGTGTCTATCGTCTGCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG221119 representing NM\_144772  
 Red=Cloning site Green=Tags(s)

MSRLRALLGLLLVAGSRLPRIKSQTIACRSQPTWWGPQRLNSGGRWDSEVMASVVVKYLSQEEAQAVDQ  
 ELFNEYQFSDVQLMELAGLSCATAIAKAYPPTSMRSRSPPTVLVICGPGNNGDGLVCAHHLKLFGEPTI  
 YYPKRPNKPLFTALVTQCQKMDIPFLGEMPAEPMIDELVELVDAIFGF SFKGDVREPFHSILSVLKGL  
 TVPIASIDIPSGWDVEKGNAGGIQPDLLISLTAPKKSATQFTGRYHYLGGRFVPPALEKKYQLNLPYPD  
 TECVYRLQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_144772

**ORF Size:** 864 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:**

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\\_144772.1](#), [NP\\_658985.1](#)

**RefSeq Size:** 1120 bp

**RefSeq ORF:** 867 bp

**Locus ID:** 128240

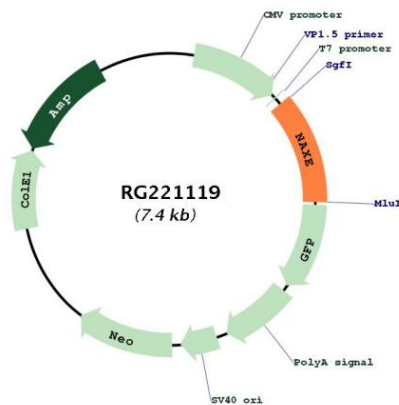
**UniProt ID:** [Q8NCW5](#)

**Cytogenetics:** 1q22

**Domains:** YjeF\_N

**Gene Summary:** The product of this gene interacts with apolipoprotein A-I (apoA-I), the major apolipoprotein of high-density lipoproteins (HDLs). It is secreted into some bodily fluids, and its synthesis and secretion are stimulated in vitro by incubating cells with apoA-I. The human genome contains related pseudogenes. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG221119