

## Product datasheet for **RG215191**

### APOL3 (NM\_145642) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** APOL3 (NM\_145642) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** APOL3  
**Synonyms:** apoL-III; APOLIII; CG12\_1; CG121  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215191 representing NM\_145642  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTTGCTGGTCTTGTGTTTGGCACCATTTACAGCAGGGACGAGTCTGGCCCTTACTGCAGCTGGG  
TAGGGCTGGGAGCAGCTCTGCTGTGACTGGGATCACCACCAGCATCGTGGAGCACTCATAACATCATC  
AGCAGAAGCTGAAGCCAGCAGGCTGACTGCAACCAGCATTGACCGATTGAAGGTATTTAAGGAAGTTATG  
CGTGACATCACACCACTTACTTCCCTTCTTAATAATTATTACGAAGCCACAAAACCATTGGGAGTG  
AAATCCGTGCCATCAGGCAAGCCAGAGCCAGGGCCGACTCCCTGTGACCACCTGGCGAATCTCAGCTGG  
AAGTGGTGGTCAAGCAGAGAGAACGATTGCAGGCACCACCGGGCAGTGAGCAGAGGAGCCCGGATCCTG  
AGTGCGACCATTTCAGGCATCTTCTTGCAGTGGATGTGGTCAACCTTGTATACGAGTCAAAGCACTTGC  
ATGAGGGGGCAAAGTCTGCATCTGCTGAGGAGCTGAGGCGCAGGCTCAGGAGCTGGAGGAGAATCTAAT  
GGAGCTCACTCAGATCTATCAGCGTCTGAATCCATGCCATACCCAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG215191 representing NM\_145642  
Red=Cloning site Green=Tags(s)

MSLAGLVLPFTAGTSLALTAAGVVLGAASAVTGITTSIVEHSYSSAEAEASRLTATSIDRLKVFKEVM  
RDITPNLLSLLNYYEATQTIGSEIRAIRQARARLPVTTWRISAGSGGQAERTIAGTTRAVSRGARIL  
SATTSGIFLALDVVNLVYESKHLHEGAKSASAEELRRQAQEELENMELTQIYQRLNPCHTH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI





**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\\_145642.2](#)

**RefSeq Size:** 3564 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 80833

**UniProt ID:** [O95236](#)

**Cytogenetics:** 22q12.3

**Gene Summary:** This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with other family members on chromosome 22. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]