

Product datasheet for **RG221310**

Apolipoprotein L 4 (APOL4) (NM_030643) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apolipoprotein L 4 (APOL4) (NM_030643) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: APOL4
Synonyms: APOL-IV; APOLIV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221310 representing NM_030643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATCCTGGGTGCAGCTCATCACAAGCGTCGGGGTGCAGCAAACCATCCAGGCTGGACAGTGGCTG
 GACAGTCCAAGAAAAGAACGCTTCACTGAAGAAGTCATTGAATACTCCAGAAGAAAGTTAGCCAGT
 GCATCTGAAAATCCTGCTGACTAGCGATGAAGCCTGGAAGAGATTTGTGCGTGTGGCTGAATTGCCAGG
 GAAGAGGCAGATGCTCTCTATGAAGCTCTGAAGAATCTTACCCATATGTGGCTATTGAGGACAAAGACA
 TGCAGCAAAAAGAACAGCAGTTTAGGGAGTGGTTTTTGAAGAGTTTCTCAAATCAGATGGAAGATTCA
 GGAGTCCATAGAAAGGCTTCGTGTCAATGCAAATGAGATTGAAAAGGTCCACAGAGGCTGCGTCATCGCC
 AATGTGGTGTCTGGCTCCACTGGCATCCTGTCTGTATTGGCGTTATGTTGGCACCATTTACAGCAGGGC
 TGAGCCTGAGCATTACTGCAGCTGGGGTAGGGCTGGGAATAGCATCTGCCACGGCTGGGATCGCCTCCAG
 CATCGTGGAGAACACATACACAAGGTCAGCAGAATCACAGCCAGCAGGCTGACTGCAACCAGCACTGAC
 CAATTGGAGGCATTAAGGGACATTCTGCGTGACATCACACCAATGTGCTTTCTTTTGCACCTTGATTTTG
 ACGAAGCCACAAAATGATTGCGAATGATGTCCATACACTCAGGAGATCTAAAGCCACTGTTGGACGCC
 TTTGATTGCTTGGCGATATGTACCTATAAATGTTGTTGAGACACTGAGAACACGTGGGGCCCCACCCGG
 ATAGTGAGAAAAGTAGCCCGAACCTGGCAAGGCCACTTCAGGTGCTTGTGCTGGATGTAGTCA
 ACCTTGTGCAAGACTCACTGGACTTGACAAGGGGGCAAATCCGAGTCTGCTGAGTCGCTGAGGCAGTG
 GGCTCAGGAGCTGGAGGAGAATCTCAATGAGCTCACCCATATCCATCAGAGTCTAAAAGCAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Restriction Sites: SgfI-MluI

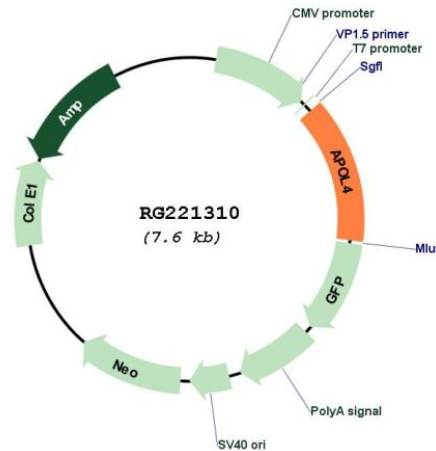


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Cloning Scheme:



Plasmid Map:



ACCN: NM_030643

ORF Size: 1044 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_030643.4
RefSeq Size:	3417 bp
RefSeq ORF:	1047 bp
Locus ID:	80832
UniProt ID:	Q9BPW4
Cytogenetics:	22q12.3
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the apolipoprotein L family. The encoded protein may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2020]