

Datasheet for ABIN4933168

## Human APOL5 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	Apolipoprotein L 5 (APOL5)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human APOL5 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1302 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCCATGTG GCAAACAAGG AAATTTGCAA GTTCCCGGTT CCAAGGTGTT ACCTGGCTTG</p> <p>GGAGAAGGTT GTAAAGAAAT GTGGCTTCGA AAGGTAATCT ACGGAGGTGA GGTCTGGGGG</p> <p>AAGTCCCAG AACCTGAGTT CCCCTCACTC GTGAACCTGT GCCAGAGTTG GAAAATTAAC</p> <p>AATTTGATGT CAACTGTCCA CAGTGATGAG GCTGGTATGC TGCCTACTT TCTGTTTGAA</p> <p>GAGCTGATGC GATGTGACAA AGATTCCATG CCAGATGGAA ATCTGTCAGA GGAGGAAAAA</p>

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## Product Details

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TTGTTTCTCT CATATTTTCC TTTGCACAAG TTTGAGCTAG AACAGAACAT CAAAGAACTT  
AACACCCTTG CGGACCAAGT TGACACCACT CACGAGTTGC TTACCAAGAC CAGCCTGGTG  
GCCAGCTCTT CCGGGGCTGT TTCTGGGGTC ATGAACATCC TGGGTTTGGC CCTAGCACCT  
GTGACAGCAG GAGGCAGTCT CATGCTCTCA GCAACTGGGA CAGGGTTGGG GGCAGCAGCT  
GCCATACCA ACATAGTAAC AAATGTCTTA GAAAATAGAA GCAATTCAGC AGCAAGAGAC  
AAAGCCAGCC GACTGGGGCC TCTGACAACA TCACATGAGG CTTTCGGAGG AATAAATTGG  
TCTGAAATCG AGGCTGCTGG CTTTTGTGTT AATAAGTGTG TAAAAGCTAT CCAGGGCATC  
AAGGATCTTC ATGCCTACCA GATGGCCAAA TCCAACCTCG GCTTCATGGC TATGGTCAAG  
AATTTTGTGG CCAAGAGACA CATCCCTTTC TGGACGGCTA GAGGGGTGCA GAGAGCCTTT  
GAGGGCACAA CTCTGGCCAT GACCAATGGT GCCTGGGTGA TGGGTGCTGC TGGGGCTGGC  
TTCTTACTTA TGAAAGACAT GAGCAGCTTC CTGCAGAGCT GGAAGCACCT GGAGGATGGG  
GCAAGGACGG AGACAGCAGA GGAAGTGA GAAGCTGTA AGAAGCTGGA GCAGGAGCTG  
GACCGGCTCA CCCAGCACCA CCGGCACCTG CCGCAGAAGG CGAGCCAGAC CTGTTCCAGC  
TCCCGGGGCA GGGCTGTTTG AGGATCCCGT GTGGTTAAAC CAGAAGGGTC TCGCTCACCT  
CTCCCTGGC CTGTTGTGGA GCACCAGCCT AGGCTGGGCC CTGGCGTGGC ACTGAGGACA  
CCAAAGAGGA CAGTCTCTGC CCCAAGGATG CTTGGCCACC AGCCAGCCCC ACCAGCACCA  
GCAAGAAAGG GGAGACAGGC CCCGGGAAGA CACCGACAAT GA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: Apolipoprotein L 5 (APOL5)

Alternative Name: APOL5 ([APOL5 Products](#))

Background: This gene is a member of the apolipoprotein L gene family. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids or allow the binding of lipids to organelles. [provided by RefSeq, Jul 2008].

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## Target Details

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Gene ID: 80831

NCBI Accession: [NM\\_030642](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)