

## Product datasheet for **SC124549**

### Apolipoprotein L 2 (APOL2) (NM\_145637) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein L 2 (APOL2) (NM_145637) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apolipoprotein L 2
Synonyms:	APOL-II; APOL3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124549 sequence for NM_145637 edited (data generated by NextGen Sequencing)

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ATGAACCCAGAGAGCAGTATCTTTATTGAGGATTACCTTAAGTATTTCCAGGACCAAGTG
AGCAGAGAGAATCTGCTACAACCTGCTGACTGATGATGAAGCCTGGAATGGATTTCGTGGCT
GCTGCTGAACTGCCAGGGATGAGGCAGATGAGCTCCGTAAGCTCTGAACAAGCTTGCA
AGTCACATGGTCATGAAGGACAAAAACCGCCACGATAAAGACCAGCAGCACAGGCAGTGG
TTTTTGAAGAGTTTCTCGGTTGAAAAGGGAGCTTGAGGATCACATAAGGAAGCTCCGT
GCCCTTGAGAGGAGTTGAGCAGGTCCACAGAGGCCACCACCATTGCCAATGTGGTGTCC
AACTCTGTTGGCACTACCTCTGGCATCCTGACCCTCCTCGGCCTGGGTCTGGCACCTTC
ACAGAAGGAATCAGTTTTGTGCTCTTGGACTGGCATGGGTCTGGGAGCAGCAGCTGCT
GTGGCTGGGATTACCTGCAGTGTGGTAGAACTAGTAAACAAATTGCGGGCAGAGCCCAA
GCCCGCAACTTGGACAAAGCGGCACCAATGTAGCAAAGGTGATGAAGGAGTTTGTGGGT
GGGAACACACCCAATGTTCTTACCTTAGTTGACAATTGGTACCAAGTCACACAAGGGATT
GGGAGGAACATCCGTGCCATCAGACGAGCCAGAGCCAACCTCAGTTAGGAGCGTATGCC
CCACCCCGCATGTCAATTGGCGAATCTCAGCTGAAGGCGGTGAACAGGTTGAGAGGGTT
GTTGAAGGCCCGCCAGGCAATGAGCAGAGGAACCATGATCGTGGGTGCAGCCACTGGA
GGCATCTTGCTTCTGCTGGATGTGGTCAGCCTTGATATGAGTCAAAGCACTTGCTTGAG
GGGGCAAAGTCAGAGTCAGCTGAGGAGCTGAAGAAGCGGGCTCAGGAGCTGGAGGGGAAG
CTCAACTTCTACCAAGATCCATGAGATGCTGCAGCCAGGCCAAGACCAATGA
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Clone variation with respect to NM\_145637.1  
733 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_145637 unedited</p> <pre> NGGTTTTGATTTTGAATACGACTTACTATAGNNGGCGGCCGCGAAATTTTCGGCACCAGG AATCCACACAGCTCAGACAGTTGGATCTTGCTCAGTCTCTGTCCAGAGGAAGATCCCTTGG ACAAGAGGACCCTGCCTTGGTGTGAGAGTGAGGGAAGAGGAAGCTGGAACGAGGGTTAAG GAAAACCTTCCAGTCTGGACAGTACTGGAGAGCTCCAAGGAAAGCCCCTCGGTAACCCA GCCGCTGGCACCATGAACCCAGAGAGCAGTATCTTTATTGAGGATTACCTTAAGTATTTTC CAGGACCAAGTGAGCAGAGAGAATCTGCTACAACCTGCTGACTGATGATGAAGCCTGGAAT GGATTCGTGGCTGCTGCTGAACCTGCCAGGGATGAGGCAGATGAGCTCCGTAAAGCTCTG AACAAAGCTTGCAAGTCACATGGTCATGAAGGACAAAAACCGCCACGATAAAGACCAGCAG CACAGGCAGTGGTTTTTGAAGAGTTTTCTCGGTTGAAAAGGGAGCTTGAGGATCACATA AGGAAGCTCCGTGCCCTTGACAGAGGAGTTGAGCAGGTCCACAGAGGCACCACCTTGGC AATGTGGTGTCCAACCTGTTGGCACTACCTCTGGCATCTGACCCTCTCGGCCTGGGT CTGGCACCTTACAGAAAGAATCAGTTTTGTGCTCTTGACACTGGCATGGGTCTGGGA GCANCAGCTGCTGTGGCTGGGATTACCTGCAGTGTGGTAGAACTAGTAAACAAATTGCGG GCACGAGCCCAAGCCCGCACTTGGACCAANAGCGCACCATGTANCAAGGTGATGAAGGAG TTGTGGGTGGGAACCCCCCATGTTCTTACTCTATTGACAATTGGTCCCAATCCACAGGG TATTGGAAGGA                 </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_145637 unedited</p> <pre> NCCCGTGGGTCTTGGNNGATGGCACTTNCAGGNCCAGNAAAGCACTGGGGNAGGGTCA CAGGGNATGCCCCGGGNTCTGTTCCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGT CGAGTTTCCACCAGGGGAAAA ACTTTATTCTTGAAGGACATCAAACCTGGGGGGGGGGTCCGGTAGGGAACTGCTGTTTC TTCTCCTGTATCCAACAGTTCTAACTCTGGTTTTCCCATTTCCAGCTCTTCTTTTCT GGCCTTCTCATTGCTGGTTCGGCAACCCCCCTTTATTCTTCGCCAATATATTTCTTT ATTCCAAAGTAACTATTTTTTCCATTCCCACACTCTCCAGTCCCCTCTCCTCCCTTA TGGCAGGCTCCAGGGTCCCGCCTTCCCCTTGGGCCACTTGCCATCTGCATTAACCCCTC CCTTGCTGTGCTCAGCTACACAAATGCCAAAGTCACTAACACCCAGTTCATAAGCTTTA CCTTGCCCCCTTATCCCCTAATAAAATGTCTGCATTTTGGCCAGGCCCGGTGGCTCAC GCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGGCATATCCCCAGGCCCGGAAATGGA AACCATCGGGGCTAACACAGGGAACCCCTCTCCGGGGAAAATCCAAAAAATTACCCG GGCGTGGTGGCAGGTGCCTGTGGTCCCACTACTCTGAAGACTGAGGCCGAGAAATGGTG TGAACCCGGGAGGCGGAGTTTGCAGTGAGCCAGATTGACCCCTGCACTCCATCCTGGG CGATAAAGCGAGACA                 </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_145637
<b>Insert Size:</b>	2250 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145637.1</a> , <a href="#">NP_663612.1</a>
<b>RefSeq Size:</b>	2686 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	23780
<b>UniProt ID:</b>	<a href="#">Q9BQE5</a>
<b>Cytogenetics:</b>	22q12.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (beta) differs in the 5' UTR compared to variant alpha. Both variants encode the same protein.</p>