

# Recombinant Full Length Human APOL1 Protein, C-Flag-tagged

**Cat. No.** APOL1-228HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human APOL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a secreted high density lipoprotein which binds to apolipoprotein A-I. Apolipoprotein A-I is a relatively abundant plasma protein and is the major apoprotein of HDL. It is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. This apolipoprotein L family member 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. Several different transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 41.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MEGAALLRVSVLCIWMSALFLGVGVRAEEAGARVQQNVPSGTDGDPQSKPLGDW<br>AAGTMDPESSIFIED AIKYFKEKVSTQNLLLLLTDNEAWNGFVAAAELPRNEADELRK<br>ALDNLARQMIMKDKNWHDKGQQYRNWF LKEFPRLKSKLEDNIRRLRALADGVQKV<br>HKGTTIANVVSGSLSISSGILTLVGMGLAPFTEGGSLVLLEP GMELGITAALTGITSST<br>MDYGKKWWTQAQAHDLVIKSLDKLKEVREFLGENISNFLSLAGNTYQLTRGIG KDIR                                                                                                                                                                                                                                                                                            |

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ALRRARANLQSVPHASASRPRVTEPISAESGEQVERVNEPSILEMSRGVKLTDVAPV  
 SFFLVLDVV  
 YLVYESKHLHEGAKSETAEELKKVAQELEEKLNILNNNYKILQADQELTRTRPLEQKLI  
 SEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Secreted Protein, Transmembrane                                                                                                               |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Gene Name</b>       | APOL1 apolipoprotein L1 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | APOL1                                            |
| <b>Synonyms</b>        | APOL; APO-L; FSGS4; APOL-I                       |
| <b>Gene ID</b>         | 8542                                             |

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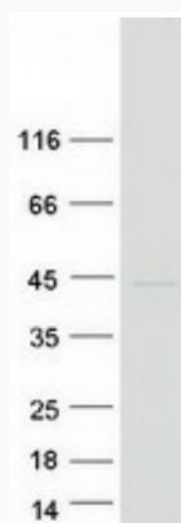
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**mRNA Refseq** [NM\\_003661.4](#)

**Protein Refseq** [NP\\_003652.2](#)

**MIM** [603743](#)

**UniProt ID** [O14791](#)



Coomassie blue staining of purified APOL1 protein.

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