

## Product datasheet for **TP311114**

### Apolipoprotein L 1 (APOL1) (NM\_003661) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human apolipoprotein L, 1 (APOL1), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >Peptide sequence encoded by RC211114  
Blue=ORF Red=Cloning site Green=Tag(s)

MEGAALLRVSVLCIWMSALFLGVGVRAEEAGARVQQNVPSGTDGDPQSKPLGDWAAGTMDPESSIFIE  
DAIKYFKEKVSTQNLLLLLDNEAWNGFVAAAELPRNEADELRKALDNLARQMIMKDKNWHDKGQQYRN  
WFLKEFPRLKSELEDNIRRLRALADGVQKVHKGTTIANVVSGLSISGILTLVGMGLAPFTEGGSLVL  
LEPGMELGITAALTGTSSTMDYGKKWWTQAQAHDLVIKSLDKLKEVREFLGENISNFLSLAGNTYQLT  
RGIGKDIRALRRARANLQSVPHASASRPRVTEPISAESGEQVERVNEPSILEMSRGVKLTDVAPVSFFL  
VLDVVYLVYESKHLHEGAKSETAEELKKVAQELEEKLNLNNNYKILQADQEL  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC211114 also available, [TP311114](#)

**Tag:** C-Myc/DDK

**Predicted MW:** 41.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_003652](#)



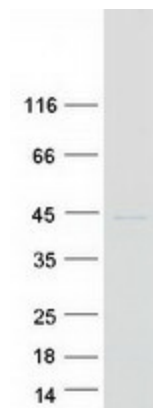
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**Locus ID:** 8542  
**UniProt ID:** [O14791](#), [Q2KHQ6](#)  
**RefSeq Size:** 2856  
**Cytogenetics:** 22q12.3  
**RefSeq ORF:** 1194  
**Synonyms:** APO-L; APOL; APOL-I; FSGS4

**Summary:** 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. [provided by RefSeq, Nov 2008]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified APOL1 protein (Cat# TP311114). The protein was produced from HEK293T cells transfected with APOL1 cDNA clone (Cat# [RC211114]) using MegaTran 2.0 (Cat# [TT210002]).