

## Recombinant Human APOL1, GST-tagged

Cat. No. APOL1-9766H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human APOL1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** N-term-238a.a.

**Description** 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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	APOL1 apolipoprotein L, 1 [ Homo sapiens ]
<b>Official Symbol</b>	APOL1
<b>Synonyms</b>	APOL1; apolipoprotein L, 1; APOL; apolipoprotein L1; APO-L; FSGS4; APOL-I;
<b>Gene ID</b>	8542
<b>mRNA Refseq</b>	NM_001136540
<b>Protein Refseq</b>	NP_001130012
<b>MIM</b>	603743
<b>UniProt ID</b>	O14791
<b>Chromosome Location</b>	22q13.1
<b>Pathway</b>	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem;
<b>Function</b>	chloride channel activity; lipid binding; protein binding;

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