

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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