

# Recombinant Full Length Human APOA5 Protein, GST-tagged

Cat. No. APOA5-1514HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human APOA5 full-length ORF ( AAI01790.1, 1 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	366 amino acids
<b>Description</b>	The protein encoded by this gene is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Oct 2009]
<b>Molecular Mass</b>	67.6 kDa
<b>AA Sequence</b>	MASMAAVLTW ALALLSAFSA TQARKGFWDY FSQTSGDKGR VEQIHQQKMA REPATLKDSL EQDLNNMNKF LEKLRPLSGS EAPRLPQDPV GMRRQLQEEL EEVKARLQPY MAEAHELVGW NLEGLRQQLK PYTMDLMEQV ALRVQELQEQ LRVVGEDTKA QLLGGVDEAW ALLQGLQSRV VHHTGRFKEL FHPYAESLVS GIGRHVQELH RSVAPHAPAS PARLSRCVQV LSRKLTAK ALHARIQQNL

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DQLREELSRA FAGTGTEEGA GPDPQMLSEE VRQRLQAFRQ DTYLQIAAFT  
 RAIDQETEEV QQQLAPPPPG HSAFAPEFQQ TDSGKVL SKL QARLDDLWED  
 ITHSLHDQGH SHLGDP

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[APOA5 apolipoprotein A-V \[ Homo sapiens \]](#)

**Official Symbol**

[APOA5](#)

**Synonyms**

APOA5; apolipoprotein A-V; APOA V; RAP3; apo-AV; apolipoprotein A5;  
 regeneration-associated protein 3; APOAV; FLJ97995; MGC126836; MGC126838

**Gene ID**

[116519](#)

**mRNA Refseq**

[NM\\_001166598](#)

**Protein Refseq**

[NP\\_001160070](#)

**MIM**

[606368](#)

**UniProt ID**

[Q6Q788](#)

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