

# Recombinant Full Length Human APOA5 Protein, C-Flag-tagged

**Cat. No.** APOA5-1493HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human APOA5 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>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	38.9 kDa
<b>AA Sequence</b>	MASMAAVLTWALALLSAFSATQARKGFWDYFSQTS GDKGRVEQIHQQKMAREPAT LKDSLEQDLNMMNKF LEKLRPLSGSEAPRLPQDPVGMRRQLQEELEEVKARLQPY MAEAHELVGWNLEGLRQQLKPYTMDLMEQV ALRVQELQEQLRVVGEDTKAQLLG GVDEAWALLQGLQSRVVHHTGRFKELFHPYAESLVSGIGRHHVQELH RSVAPHAPA

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SPARLSRCVQVLSRKLTLLKAKALHARIQQNLDQLREELSRAFAGTGTEEGAGPDPQ  
 MLSEE VRQRLQAFRQDITYLQIAAFTRAIDQETEEVQQQLAPPPPGHSAFAPEFQQT  
 DSGKVLSKLRARLDDLWED  
 ITHSLHDQGHSHLGDPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<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>	Druggable Genome, Secreted Protein
<b>Protein Pathways</b>	PPAR signaling pathway
<b>Full Length</b>	Full L.

## GENE INFORMATION

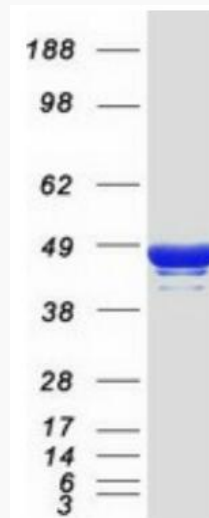
<b>Gene Name</b>	APOA5 apolipoprotein A5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	APOA5
<b>Synonyms</b>	RAP3; APOAV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	116519
mRNA Refseq	NM_052968.5
Protein Refseq	NP_443200.2
MIM	606368
UniProt ID	Q6Q788



Coomassie blue staining of purified APOA5 protein.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA