

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human APOA5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.9 kDa
AA Sequence	MASMAAVLTWALALLSAFSATQARKGFWDYFSQTS GDKGRVEQIHQQKMAREPAT LKDSLEQDLNNMNKF LEKLRPLSGSEAPRLPQDPVGMRRQLQEELEE VKARLQPY MAEAHELVGWNLEGLRQQLKPYTMDLMEQV ALRVQELQEQLRVVGEDTKAQLLG GVDEAWALLQGLQSRVVHHTGRFKELFHPYAESLVSGIGRHVQELH RSVAPHAPA

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SPARLSRCVQVLSRKLTAKAKALHARIQQNLDQLREELSRAFAGTGTEEGAGPDPQ
MLSEE VRQRLQAFRQDTYLQIAAFTRAIDQETEEVQQQLAPPPPGHSAFAPEFQQT
DSGKVLSKLQARLDDLWED
ITHSLHDQGHSHLGDPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

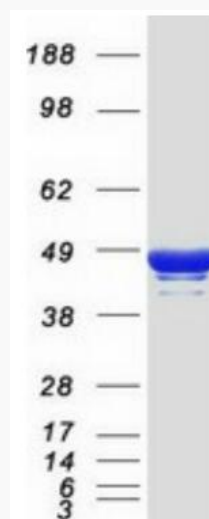
Gene Name	APOA5 apolipoprotein A5 [Homo sapiens (human)]
Official Symbol	APOA5
Synonyms	RAP3; APOAV

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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.