

Recombinant Human APOA5, His-tagged

Cat. No. APOA5-9750H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human APOA5 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

Species Human

Source E.coli

ProteinLength 27-366a.a.

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.

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

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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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
Chromosome Location	11q23
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;
Function	enzyme activator activity; enzyme binding; heparin binding; contributes_to heparin binding; lipase activator activity; lipid binding; lipoprotein lipase activator activity; lipoprotein particle receptor binding; low-density lipoprotein particle receptor b

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