

Recombinant Mouse ApoA5 Protein, His-tagged

Cat. No. ApoA5-213M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ApoA5 Protein (Arg21-Gly368) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg21-Gly368
Description	Predicted to enable several functions, including cholesterol binding activity; enzyme activator activity; and heparin binding activity. Involved in acylglycerol homeostasis. Acts upstream of or within triglyceride metabolic process and triglyceride-rich lipoprotein particle remodeling. Predicted to be located in extracellular space. Predicted to be part of chylomicron; high-density lipoprotein particle; and very-low-density lipoprotein particle. Is expressed in lung. Human ortholog(s) of this gene implicated in cerebral infarction; coronary artery disease; familial hyperlipidemia (multiple); and type 2 diabetes mellitus. Orthologous to human APOA5 (apolipoprotein A5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.23 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Apoa5 apolipoprotein A-V [Mus musculus (house mouse)]
Official Symbol	Apoa5
Synonyms	APOA5; apolipoprotein A-V; apo-AV; apoA-V; apolipoprotein A5; regeneration-associated protein 3; RAP3; Apoav; 1300007O05Rik
Gene ID	66113
mRNA Refseq	NM_080434
Protein Refseq	NP_536682
UniProt ID	Q8C7G5

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