

Recombinant Guinea pig ApoA5 Protein, His-tagged

Cat. No. ApoA5-212G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Guinea pig ApoA5 Protein (Ser78-Ala368) with N-His tag was expressed in E. coli.
Species	Guinea pig
Source	E.coli
ProteinLength	Ser78-Ala368
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.2 kDa Accurate Molecular Mass: 38 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 A5 [Cavia porcellus (domestic guinea pig)]
Official Symbol	Apoa5
Synonyms	Apoa5; apolipoprotein A5; apolipoprotein A-V
Gene ID	100732491
mRNA Refseq	XM_013155382
Protein Refseq	XP_013010836
UniProt ID	H0VR17

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