

## Recombinant Guinea pig ApoA5 Protein, His-tagged

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

### SPECIFICATION

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

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Apoa5 apolipoprotein A5 [ <i>Cavia porcellus</i> (domestic guinea pig) ]</a>
<b>Official Symbol</b>	<a href="#">Apoa5</a>
<b>Synonyms</b>	Apoa5; apolipoprotein A5; apolipoprotein A-V
<b>Gene ID</b>	<a href="#">100732491</a>
<b>mRNA Refseq</b>	<a href="#">XM_013155382</a>
<b>Protein Refseq</b>	<a href="#">XP_013010836</a>
<b>UniProt ID</b>	<a href="#">H0VR17</a>

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