

Recombinant Cattle APOA5 Protein, His-tagged

Cat. No. APOA5-210C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle APOA5 Protein (Val187-Pro368) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Val187-Pro368
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.4 kDa Accurate Molecular Mass: 26 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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 [Bos taurus (cattle)]

Official Symbol

APOA5

Synonyms

APOA5; apolipoprotein A5; apolipoprotein A-V

Gene ID

538914

mRNA Refseq

NM_001083492

Protein Refseq

NP_001076961

UniProt ID

A4FUZ9

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