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## Recombinant human Apolipoprotein A5/APOA5 protein

Catalog Number: ATGP2476

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

24-366aa

#### UniProt No.

Q6Q788

#### **NCBI Accession No.**

NP 443200

#### **Alternative Names**

Apolipoprotein A-V precursor, Apolipoprotein A-V, APOAV, RAP3

## PRODUCT SPECIFICATION

#### **Molecular Weight**

41.3 kDa (366aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

APOA5 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. Recombinant human APOA5 protein, fused to His-tag at N-terminus, was expressed in E. coli.



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## **Amino acid Sequence**

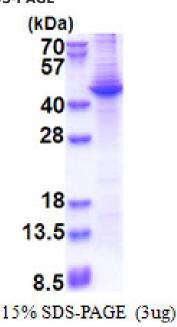
MGSSHHHHHH SSGLVPRGSH MGSRKGFWDY FSQTSGDKGR VEQIHQQKMA REPATLKDSL EQDLNNMNKF LEKLRPLSGS EAPRLPQDPV GMRRQLQEEL EEVKARLQPY MAEAHELVGW NLEGLRQQLK PYTMDLMEQV ALRVQELQEQ LRVVGEDTKA QLLGGVDEAW ALLQGLQSRV VHHTGRFKEL FHPYAESLVS GIGRHVQELH RSVAPHAPAS PARLSRCVQV LSRKLTLKAK ALHARIQQNL DQLREELSRA FAGTGTEEGA GPDPQMLSEE VRQRLQAFRQ DTYLQIAAFT RAIDQETEEV QQQLAPPPPG HSAFAPEFQQ TDSGKVLSKL QARLDDLWED ITHSLHDQGH SHLGDP

#### **General References**

Weinberg R.B., et al. (2003) J. Biol. Chem. 278:34438-34444.

### **DATA**

## SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

