
Product Data Sheet

Product Name: APOA5 Human, HEK
 Cat. No.: GP20050
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Apolipoprotein A-V; Apo-AV; ApoA-V; Apolipoprotein A5; Regeneration-associated protein 3; APOA5; RAP3; APOAV.		
Amino Acid Sequence	RKGFWDYFSQ TSGDKGRVEQ IHQQKMAREP ATLKDSLEQD LNNMNKFLEK LRPLSGSEAP RLPQDPVGMR RQLQEELEEY KARLQPYMAE AHELVGWNLE GLRQQLKPYT MDLMEQVALR VQELQEQLRV VGEDTKAQLL GGVDEAWALL QGLQSRVVHH TGRFKELFHP YAESLVSGIG RHVQELHRSV APHAPASPAR LSRCVQVLSR KLTLKAKALH ARIQQNLDQL REELSRAFAG TGTEEGAGPD PQMLSEEVQR RLQAFRQDTY LQIAAFTRAI DQETEEVQQQ LAPPPPGHSA FAPEFQQTDS GKVLSKLQAR LDDLWEDITH SLHDQGHSHL GDPAAADYKD DDDK		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.		
Formulation	APOA5 Human was filtered (0.4µm) and lyophilized from 0.5 mg/ml supplied in 20mM TRIS and 50mM NaCl, pH 7.5		

Introduction

ApoA5 is an important regulator of serum triglyceride concentrations. An ApoA5 mouse knock-out model produced an approximately four fold increase in serum triglycerides, whereas a knock-in model human ApoA5 produced 50-70% lower concentrations of mouse serum triglycerides. Furthermore, peroxisome proliferators-activated receptor agonists, which are used clinically to lower serum triglyceride concentrations, cause increased ApoA5 mRNA expression. There is very little known about ApoA5 protein in human serum. Lately, it was established that ApoA5 is present in the human serum

Caution: Product has not been fully validated for medical applications. For research use only.

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and it can be detected by polyclonal antibodies against both the HN2 and COOH termini, but at much lower concentration than other apolipoproteins.

Stability

Store lyophilized APOA5 Human at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted APOA5 Human can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

APOA5 Human Recombinant Flag-Tagged Fusion Protein is 40.1 kDa protein containing 354 amino acid residues of the APOA5 Human and 11 additional amino acid residues of flagTag.

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