



Apolipoprotein A-V, FLAG Tag, HEK, human recombinant (rHuAPO-A5-FLAG-HEK)

Catalog No: 97407
Lot No: XXXXX
Source: HEK293
Synonyms: Apolipoprotein A-V, RAP3, Regeneration-associated protein 3, APOA-V, MGC126836, FLJ97995

Background

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

Description

APOA5 human recombinant produced in HEK293 is a FLAG-tagged 40.1 kDa fusion protein containing 354 amino acid residues of human APOA5 and 11 additional amino acid residues of FLAG Tag.

Formulation

APOA5 human was filtered (0.4 µm) and lyophilized from 0.5 mg/ml supplied in 20 mM Tris and 50 mM NaCl, pH 7.5.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/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.

Stability

Store lyophilized APOA5 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.

Purity

Greater than 70% as determined by SDS-PAGE.

Amino Acid Sequence

RKGFWDYFSQ TSGDKGRVEQ IHQOKMAREP ATLKDSLEQD LNNMNKFLEK LRPLSGSEAP RLPQDPVGM RQLQEELEEV
KARLQPYMAE AHELVGWNLE GLRQQLKPYT MDLMEQVALR VQELQEQLRV VGEDTKAQLL GGVDEAWALL QGLQSRVVHH
TGRFKELFHP YAESLVSGIG RHVQELHRSV APHAPASPAR LSRCVQVLSR KLTLKAKALH ARIQQNLDQL REELSRAFAG
TGTEEGAGPD PQMLSEEV RQ RLQAFRQDTY LQIAAFTRAI DQETEEVQQQ LAPP PPGHSA FAPEFQQTDS GKVLSK LQAR
LDDLWEDITH SLHDQGHSHL GDPAAADYKD DDDK

Usage

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