

## APOA5 Human, HEK

**Description:** 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.

**Catalog #:** CYP5-032

For research use only.

**Synonyms:** Apolipoprotein A-V, Apo-AV, ApoA-V, Apolipoprotein A5, Regeneration-associated protein 3, APOA5, RAP3, APOAV.

**Source:** HEK293

**Amino Acid Sequence:** RKGFWDFYSQ TSGDKGRVEQ IHQQKMAREP ATLKDSLEQD  
LNNMNKFLEK LRPLSGSEAP RLPQDPVGMR RQLQEELEEV KARLQPYMAE AHELVGWNLE  
GLRQQLKPYT MDLMEQVALR VQELQEQLRV VGEDTKAQLL GGVDEAWALL QGLQSRVVHH  
TGRFKELFHP YAESLVSGIG RHVQELHRVS APHAPASPAR LSRCVQVLSR KLTLKAKALH  
ARIQQNLDQL RE

**Purity:** Greater than 70% as determined by SDS-PAGE.

**Formulation:**

APOA5 Human was filtered (0.4

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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

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