

Apolipoprotein A-V Recombinant Protein | APOA5 recombinant protein

Recombinant Human Apolipoprotein A-V

CATALOG # AAA39079	HOST Escherichia coli.
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PRODUCT SYNONYMS

Apolipoprotein A-V; Recombinant Human Apolipoprotein A-V; APOA5 Human; Apolipoprotein A-V Human Recombinant; Apo-AV; ApoA-V; Apolipoprotein A5; Regeneration-associated protein 3; APOA5; RAP3; APOAV; APOA5 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia coli.
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	APOA5 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMGS RKGFDYFSQ TSGDKGRVEQ IHQQKMAREP ATLKDSLEQD LNNMNKFLEK LRPLSGSEAP RLPQDPVGMR RQLQEELEEVEV KARLQPYMAE AHVLVGWNLE GLRQQLKPYT MDLMEQVALR VQELQEQLRV VGEDTKAQLL GGVDEAWALL QGLQSRVVHH TGRFKELFHP YAESLVSGIG RHVQELHRSV APHAPASPAR LSRCVQLSR KLTAKALH ARIQQNLDQL REELSRAFAG TGTEEGAGPD PQMLSEEVQR RLQAFRQDTY LQIAAFTRAI DQETEEVQQQ LAPPPIGHSA FAPEFQQTDS GKVLKSLQAR LDDLWEDITH SLHDQGHSHL GDP.</u>
Sequence Length	366
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for APOA5 recombinant protein	Description: APOA5 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 366 amino acids (24-366 a.a.) and having a molecular mass of 41.3kDa. APOA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.
Product Categories/Family for APOA5 recombinant protein	Cytokines and Growth Factors; Cytokines; Apolipoprotein

NCBI AND UNIPROT INFORMATION

NCBI GI #	262231737
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NCBI GeneID	116519
NCBI Accession #	NP_001160070.1
NCBI GenBank Nucleotide #	NM_001166598.1
UniProt Accession #	Q6Q788 ; Q3MIK6 ; Q6UWK9 ; Q9UBJ3 ; B0YIV9
NCBI Official Full Name	apolipoprotein A-V
NCBI Official Synonym Full Names	apolipoprotein A-V
NCBI Official Symbol	APOA5
NCBI Official Synonym Symbols	RAP3; APOAV
NCBI Protein Information	apolipoprotein A-V; apo-AV; apolipoprotein A5; regeneration-associated protein 3
UniProt Protein Name	Apolipoprotein A-V
UniProt Gene Name	APOA5
UniProt Synonym Gene Names	RAP3; Apo-AV; ApoA-V
UniProt Entry Name	APOA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/apoa5-recombinant-protein-escherichia-coli/39079>