32-1042: APOA5 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. ApoA5 is an important regulator of serum triglyceride concentrations. An ApoA5 mouse nock-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 receptoragonists, 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 Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	APOA5 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	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.
Amino Acid :	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.

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