9051 Mira Mesa Blvd, #910094
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APOA1 Mouse

Apolipoprotein A-I Mouse Recombinant
CYK0045

Product Overview

Name	APOA1 Mouse
Description	
Apolipoprotein A-I Mouse Recombinant	
Accession (Primary)	Q00623
Synonyms	
Apolipoprotein A-I, Apo-AI, ApoA-I, Apolipoprotein A1, ProapoA-I.	
Introduction	
APOA1 (Apolipoprotein A-1) is a protein with a specific role in lipid metabolism being the main protein component of HDL in the plasma. APOA1 promotes cholesterol efflux from tissues to the liver for excretion. Furthermore, APOA1 is a cofactor for LCAT, which is responsible for the formation of most plasma cholesteryl esters. In addition, APOA1 activates spermatozoa motility as part of the SPAP complex. The APOA1 gene is strongly linked with two other apolipoprotein genes on chromosome 11. Defects in the APOA1 gene are linked to HDL deficiency including Tangier disease, and with systemic non-neuropathic amyloidosis. High levels of APOA1 are linked to the manifestation of asthma and atopy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
APOA1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS DEPQSQW DKVKDFANVY VDAVKDSGRD YVSQFESSSL GQQLNLNLLE NWDTLGSTVS QLQERLGPLT RDFWDNLEKE TDWVRQEMNK DLEEVKQKVQ PYLDEFQKKW KEDVELYRQK	

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VAPLGAELQE SARQKLQELQ GRLSPVAEEF RDRMRTHVDS LRTQLAPHSE QMRESLAQRL AELKSNPTLN EYHTRAKTHL KTLGEKARPA LEDLRHSLMP MLETLKTQVQ SVIDKASETL TAQ.

Precautions

APOA1 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q00623)