NKMAXBio we support you, we believe in your research Recombinant mouse Apolipoprotein A1/APOA1 protein Catalog Number: ATGP3058

PRODUCT INFORMATION

Expression system E.coli

Domain 25-264aa

UniProt No. Q00623

NCBI Accession No. NP_033822.2

Alternative Names Apolipoprotein A-I, Alp-1, apo-AI, Apoa-1, apoA-I, Brp-14,Ltw-1, Lvtw-1, Sep-1, Sep-2, Sep2, Apolipoprotein AI

PRODUCT SPECIFICATION

Molecular Weight 30.3 kDa (263aa) confirmed by MALDI-TOF

Concentration 1mg/ml (determined by Bradford assay)

Formulation Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity > 90% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Apoal also known as Apolipoprotein A-I, is the major protein component of high density lipoprotein (HDL) in plasma. This protein promotes cholesterol efflux from tissues to the liver for excretion. And it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the Apoal are associated with HDL deficiency including Tangier disease. Recombinant mouse Apoal, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques



Amino acid Sequence

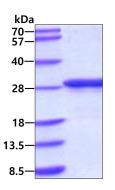
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General References

Sontag TJ., et al. (2014) Arterioscler Thromb Vasc Biol, 34(2), 262-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.