

Product information

Apoa1, 25-264aa

Mouse, His-tagged, Recombinant, *E.coli*

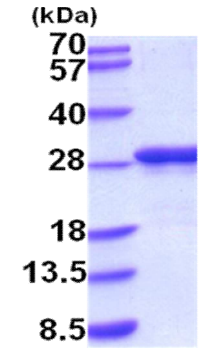
Cat. No. IBATGP3058

Full name: Apolipoprotein A-I

NCBI Accession No.: NP_033822

Synonyms: Alp-1, apo-AI, Apoa-1, apoA-I, Brp-14, Ltw-1, Lvtw-1, Sep-1, Sep-2, Sep2

Description: Apoa1 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 Apoa1 are associated with HDL deficiency including Tangier disease. Recombinant mouse Apoa1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques

<p>Form: Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT</p> <p>Molecular Weight: 30.3kDa (263aa) confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MGSSHHHHH SSSLVPRGSH MGSDEPQSQW DKVKDFANVY VDAVKDSGRD YVSQFESSL GQQLNLLLE NWDTLGSTVS QLQERLGPLT RDFWDLNLEKE TDWVRQEMNK DLEEVKQKVVQ PYLDEFQKKW KEDVELYRQK VAPLGAELQE SARQKLQELQ GRLSPVAEEF RDRMRTHVDS LRTQLAPHSE QMRESLAQRL AELKSNPTLN EYHTRAKTHL KTLGEGARPA LEDLRHSLMP MLETLLKTQVQ SVIDKASETL TAQ</p>	

General references:

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.