

Product information



Apolipoprotein A-1, 25-267 aa

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

Cat. No. IBATGP0363

Synonyms: APOA1

NCBI Accession No.: NP_000030

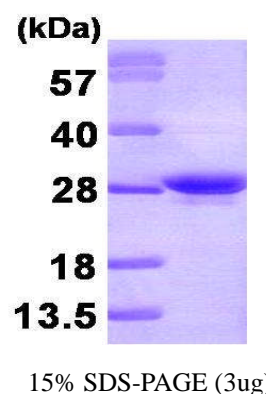
Description: Apolipoprotein A-1, also known as APOA1, is a human protein with a specific role in lipid metabolism. It is the major protein component of high density lipoprotein (HDL) in plasma. This protein promotes cholesterol efflux from tissues to the liver for excretion. And it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the ApoA-1 gene are associated with HDL deficiency including Tangier disease. Recombinant human Apolipoprotein A-1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing, 10% glycerol

Molecular Weight: 30.3 kDa (264aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MDEPPQSPWD RVKDLATVYV DVLKDSGRDY VSQFEQSALG KQLNLKLLDN WDSVTSTFSK LREQLGPTQ
EFWNLEKET EGLRQEMSKD LEEVKAKVQP YLDDFQKKWQ EEMELYRQKV EPLRAELQEG ARQKLHELQE KLSPLGEEMR DRARAHVDAL
RTHLAPYSDE LRQRLAARLE ALKENGGARL AEYHAKATEH LSTLSEKAKP ALEDLRQGLL PVLESFKVSF LSALEEYTKK LNTQ

General references:

Wang J., *et al.* (2009). *Int J Biol Sci.* **5**(7):637-46.

Khadem-Ansari MH., *et al.* (2009). *Singapore Med J.* **50**(6):610-3

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Avoid repeated freezing and thawing cycles.

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