

**AR51878PU-N****Mouse Apolipoprotein A I / APO AI (25-264, His-tag) - Purified**

<b>Alternate names:</b>	APOA1, Apo-AI, ApoA-I, ApoAI
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (determined by bradford assay)
<b>Background:</b>	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
<b>Uniprot ID:</b>	<a href="#">Q00623</a>
<b>NCBI:</b>	<a href="#">NP_033822</a>
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.
<b>Description:</b>	<b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSDEPQSQW DKVKDFANVY VDAVKDSGRD YVSQFESSSL GQQLNLNLLLE NWDTLGSTVS QLQERLGPLT RDFWDNLEKE TDWVRQEMNK DLEEVKQKVVQ PYLDEFQKKW KEDVELYRQK VAPLGAELOE SARQKLQELQ GRLSPVAEEF RDRMRTHVDS LRTQLAPHSE QMRESLAQRL AELKSNPTLN EYHTRAKTHL KTLGEKARPA LEDLRHSLMP MLETLKTQVQ SVIDKASETL TAQ <b>Molecular weight:</b> 30.3 kDa (263aa) confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Sontag TJ., et al. (2014) Arterioscler Thromb Vasc Biol, 34(2), 262-9.

Pictures:

