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# 32-6300: APOA1 Mouse

**Alternative Name :** Apolipoprotein A-I, Apo-AI, ApoA-I, Apolipoprotein A1, ProapoA-I.

## Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
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.
APOA1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids (25-264a.a) and having a molecular mass of 30.3kDa.APOA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 5 µg / 20 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | APOA1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGSDEPQSQW DKVKDFANVY VDAVKDSGRD YVSQFESSSL GQQLNLNLLE NWDTLGSTVS QLQERLGPLT RDFWDNLEKE TDWVRQEMNK DLEEVKQKVQ PYLDEFQKKW KEDVELYRQK VAPLGAELQE SARQKLQELQ GRLSPVAEEF RDRMRTHVDS LRTQLAPHSE QMRESLAQRL AELKSNPTLN EYHTRAKTHL KTLGEKARPA LEDLRHSLMP MLETLKTQVQ SVIDKASETL TAQ. |