

## Apolipoprotein A-I Human Recombinant

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| <b>Item Number</b>                       | rAP-0327   |
| <b>Synonyms</b>                          | Apolipoprotein A-I, Apo-AI, ApoA-I, APOA1, MGC117399.  |
| <b>Description</b>                       | Apolipoprotein A-I Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 244 amino acids and having a molecular mass of 28.2kDa. The APOA1 is purified by proprietary chromatographic techniques.  |
| <b>Uniprot Accession Number</b>          | P02647   |
| <b>Amino Acid Sequence</b>               | MDEPPQSPWD RVKDLATVYV DVLKDSGRDY VSQFEGSALG KQLNLKLLDN WDSVTSTFSK<br>LREQLGPVTQ EFWDNLEKET EGLRQEMSKD LEEVKAKVQP YLDDFQKKWQ EEMELYRQKV<br>EPLRAELQEG ARQKLHELQE KLSPLGEEMR DRARAHVDAL RTHLAPYSDE LRQRLAARLE ALKENG-<br>GARL AEYHAKATEH LSTLSEKAKP ALEDLRQGLL PVLESFKVSF LSALEEYTKK LNTQ.   |
| <b>Source</b>                            | Escherichia Coli.  |
| <b>Physical Appearance and Stability</b> | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Apolipoprotein A-I although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution APOA1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| <b>Formulation and Purity</b>            | The APOA1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.0. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.   |
| <b>Application</b>                       |  |
| <b>Solubility</b>                        | It is recommended to reconstitute the lyophilized APOA1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.  |
| <b>Biological Activity</b>               |  |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**