

Human APOA1 Recombinant Protein



RPPB0044

Product Information Protein Information

Product SKU:

RPPB0044

Accession:

P02647

Host:

Escherichia Coli.

Protein description:

Apolipoprotein A-I Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 243 amino acids and having a molecular mass of 28.1kDa. The APOA1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Apolipoprotein A-I, Apo-AI, ApoA-I, APOA1, MGC117399.

Formulation:

The APOA1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized APOA1 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

Amino Acid Sequence:

DEPPQSPWDR VKDLATVYVD VLKDSGRDYV SQFEGSALGK QLNKLLDNW DSVTSTFSKL REQLGPVTQE
FWDNLEKETE GLRQEMSKDL EEVKAKVQPY LDDFQKKWQE EMELYRQKVE PLRAELQEGA RQKLHELQEK
LSPLGEMRD RARAHVDALR THLAPYSDEL RQRLAARLEA LKENG GARLA EYHAKATEHL STLSEKAKPA
LEDLRQGLLP VLESEFKVSFL SALEEYTKKL NTQ.