

APOA1 Protein, Bovine, Recombinant (E. coli, His)

General Information

Synonyms: Apolipoprotein A1; Apo-AI; ApoA-I; APOA1; Apolipoprotein A-I

Protein Construction: 25-265 aa

Species: Bovine

Expression Host: E. coli

Accession: P15497

Molecular Weight: 31.6 kDa (predicted)

AA Sequence:

DDPQSSWDRVKDFATVYVEAIKDSGRDYVAQFEASALGKQLNLKLLDNWDTLASTLSKVREQLGPVTQEFW
DNLEKETASLRQEMHKDLEEVKQKVQPYLDEFQKKWHEEVEIYRQKVAPLGEEFREGARQKVQELQDKLSPL
AQELRDRARAHVETLRQQLAPYSDDLRLQRLTARLEALKEGGSLAEYHAKASEQLKALGEKAKPVLEDLRQG
LLPVLES�KVSILAAIDEASKKLNAG

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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