

Apolipoprotein A-IV/APOA4 Protein, Mouse, Recombinant (His)

General Information

Synonyms: Apolipoprotein A4;Apoa4;Apo-AIV;ApoA-IV;Apolipoprotein A-IV

Protein Construction: 21-395 aa

Species: Mouse

Expression Host: P. pastoris (Yeast)

Accession: P06728

Molecular Weight: 45.0 kDa (predicted)

AA Sequence:

EVTSDQVANVVWDYFTQLSNNAKEAVEQFQKTDVTQQLSTLFQDKLGDASTYADGVHNKLVFVQVQLSGH
LAQETERVKKEIKKELEDLRDRMMPHANKVTQTFGENMQKLQEHLPYAVDLQDQINTQTQEMKQLTPYIQ
RMQTTIKENVNLTSMPLATNLKDKFNRNMEELKGHLTPRANELKATIDQNLEDLRRSLAPLTVGVQEKL
NHQMEGLAFQMKKNAEELQTKVSAKIDQLQKNLAPLVEDVQSKVKGNTQGLQKSLLEDLNRQLEQQVEEFRR
TVEPMGEMFNKALVQQLQFRQQLGPNSGEVESHLFLEKSLREKVNFSFMSTLEKKGSPDQPQALPLPEQA
QEQAQEQAQEQVQPKPLES

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: > 90% 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:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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

A DRUG SCREENING EXPERT

May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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