Recombinant Mouse ApoE
Catalog # CJ05
Derived from Human Cells

**DESCRIPTION**
Recombinant Mouse Apolipoprotein E is produced by our Mammalian expression system and the target gene encoding Glu19-Gln311 is expressed with a 6His tag at the C-terminus.

**Accession #:** P08226
**Known as:** Apolipoprotein E; Apo-E; APOE

**FORMULATION**
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**SHIPPING**
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

**STORAGE**
Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**RECONSTITUTION**
Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**QUALITY CONTROL**
Purity: Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).

**AMINO ACID SEQUENCE**
EGEPEVDQLEWQSNQPWEQALNRFWYLRVWQTLSDQVEELQSSQVQTQELTALMEDTMTEVKAYKKELEEQGPVAEE
TRARLGEVQAALRGADMEDLRNRLGQRNEVTHMLGQSTEEIRARLSTHLRKMRLMRAEDLQKRLAVYKAGAREG
AERGVSAILRLGPLVEEQGRQRTANLGAGAAPLRDRAQAFGDRIRGRLEEVGQARDRLEEVEHMEEVRSKMEEQTQQIR
LQAEIFQARLKGWFEPIVEDMHRQWANLMKIQASVATNPIFTPVAQENQVDHHHHHH

**BACKGROUND**
Apolipoprotein E (Apo-E), is a member of the apolipoprotein A1/A4/E family. ApoE is a major protein component of serum LDL, VLDL, HDL, and chylomicrons. APOE may function in mediating the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues. APOE is usually secreted in plasma. Phosphorylation sites are present in the extracellular medium.

**SDS-PAGE**

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