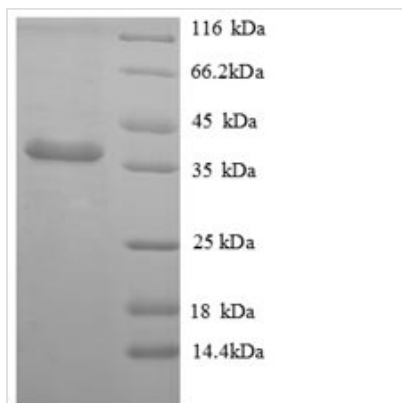




Recombinant Mouse Apolipoprotein E (Apoe)

Product Code	CSB-EP001936MO
Relevance	Mediates 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.
Abbreviation	Recombinant Mouse Apoe protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P08226
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EGEPEVTDQLEWQSNQPWEQALNRFWDYLRWVQTLSDQVQEELQSSQVTQ ELTALMEDTMTEVKAYKKELEEQLGPVAAEETRARLGKEVQAAQARLGADMED LRNRLGQYRNEVHTMLGQSTEEIRARLSTHLRKMRLMRDAEDLQKRLAVY KAGAREGAERGVS AIRERLGPLVEQGRQRTANLGAGAAQPLRDRAQAFGDRI RGRLEE VGNQARDRLEEVRHEMEEVRSKMEEQTQQIRLQAEIFQARLKGWFE PIVEDMHRQWANLMEKIQASVATNPITPVAQENQ
Research Area	Others
Source	E.coli
Target Names	Apoe
Expression Region	19-311aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	38.0kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Apoe/Apolipoprotein E Protein CSB-EP001936MO is a Recombinant Mouse Apoe, which is the full-length mature protein from amino acid 19 to 311. It is produced in E.coli through Prokaryotic expression and fused with a 6xHis-tag at the N-terminus. And it has high purity of up to 90% as determined by SDS-PAGE. Its predicted molecular weight is 38.0 kDa, but the actual observed molecular mass via SDS-PAGE analysis is a little bit more than 38 kDa due to post-transcriptional modifications such as glycosylation. Large stock of this recombinant Apoe protein allows for continuous sourcing and no intermediate waiting period for protein preparation. This Apoe protein not only acts as an immunogen for antibody production but also find uses on the studies of neuronal signal transduction and neurodegenerative diseases.

Apoe is a polymorphic lipoprotein that predominantly mediates the binding of lipoproteins or lipid complexes in the plasma or interstitial fluids to specific cell-surface receptors and subsequent internalization and catabolism of the Apoe-containing lipoprotein particles. It is thus involved in the distribution/distribution of lipids among various tissues and cells of the body. It also exerts multiple other cellular functions such as glucose metabolism, neuronal signaling, neuroinflammation, and mitochondrial function. In terms of diseases, it is closely linked to the pathogenesis of Alzheimer's disease (AD).

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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