



# Recombinant Rabbit Apolipoprotein E (APOE)

<b>Product Code</b>	CSB-MP001936RB
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P18287
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>QT EQEVEVPEQA RWKAGQPWEL ALGRFWDYLR WVQSLSDQVQ  EELLSSQVTQ ELTMLMEETM KEVKAYKSEL EEQLSPMAQE HRARLSKELQ  VAGALEADME DVCNRLAQYR GEAQAMLGQS TEELARAFSS HLRKLRKRL  RDAEDLQKRM AVYGAGAREG AERGVSAVRE RLGSRLEGR LRVATVGTLA  GRPLRERAQA WGERLRGHLE EVGSRARDRL NEVREQVEEV  RVKVEEQAPQ MRLQAEAFQA RLKSWFEPLV EDMQRQWAGL  VEKLQAAMPS KAPAAPIEN Q</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	APOE
<b>Protein Names</b>	Recommended name: Apolipoprotein E Short name= Apo-E
<b>Expression Region</b>	19-311
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	<p>Chylomicron remnants and very low density lipoprotein (VLDL) remnants are rapidly removed from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E, a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells. ApoE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. The APOE gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in apolipoprotein E result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants.</p>
<b>Reconstitution</b>	<p>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.</p>
<b>Shelf Life</b>	<p>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</p>



of lyophilized form is 12 months at -20°C/-80°C.