



# Recombinant Chicken Apolipoprotein B (APOB)

<b>Product Code</b>	CSB-EP001918CH-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P11682
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Gallus gallus (Chicken)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	IPGLSEKYTG EELYLMTTEK AAKTADICLS KLQEYFDALI AAISELEVRV PASETILRGR NVLDQIKEML KHLQEKIRQT FVTLQEADFA GKLNRLKQVV QKTFQKAGNM VRSLQSKNFE DIKVQMQLY KDAMASDYAH KLRSLAENVK KYISQIKNFS QKTLQKLSN LQQLVLYIKA LREEYFDPTT LGWSVKYYEV EDKVLGLLKN LMDTLVIWYN EYAKDLSDLV TRLTDQVREL VENYRQEYYD LITDVEGKGR QKVMELSSAA QEKIRYWSAV AKRKINEHNR QVKAKLQEIY GQLSDSQEKL INVAKMLIDL TVEKYSTFMK YIFELLRWFQ QATADSIKPY IAVREGELRI DVPFDWEYIN QMPQKSREAL RNKVELTRAL IQQGVEQGTR KWEEMQAFID EQLATEQLSF QQIVENIQKR MKT
<b>Source</b>	E.coli
<b>Target Names</b>	APOB
<b>Protein Names</b>	Recommended name: Apolipoprotein B
<b>Expression Region</b>	1-433
<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 protein
<b>Target Details</b>	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.
<b>Reconstitution</b>	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

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.