

Recombinant Mouse Apob Protein, His-SUMO-tagged

Cat. No. Apob-494M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Apob Protein()(Leu32~Met306), fused with two N-terminal Tags, His-tag and SUMO-tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu32~Met306
Description	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. Unlike the apoB-48 and apoB-100 structural equivalents in human, which are synthesized exclusively in the gut and liver, respectively, the mouse apoB-48 isoform is also found in mouse 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 2179 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination.
Form	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	50kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Notes	The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Apob apolipoprotein B [Mus musculus (house mouse)]
Official Symbol	Apob
Synonyms	apob-; apob-48; AI315052; apob-100; Apo B-100
Gene ID	238055
mRNA Refseq	NM_009693.2
Protein Refseq	NP_033823.2
UniProt ID	E9Q414

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SDS-PAGE



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