

## Recombinant Rat Apob Protein, His-tagged

**Cat. No.** Apob-217R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Apob Protein (Asp29-Val293) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp29-Val293
<b>Description</b>	<p>This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-L and apoB-H. Unlike the apoB-48 and apoB-100 structural equivalents in human, which are synthesized exclusively in the gut and liver, respectively, the rat apoBL isoform is also found in rat 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-L protein is produced after RNA editing of the apoB-H transcript at residue 2180 (CAA-&gt;UAA), resulting in the creation of a stop codon, and early translation termination.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 33.4 kDa Accurate Molecular Mass: 33 kDa
<b>Purity</b>	> 90%

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Apob apolipoprotein B [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Apob</a>
<b>Synonyms</b>	APOB; apolipoprotein B; apolipoprotein B-100; apolipoprotein B PI; apolipoprotein B-48; apolipoprotein B (including Ag(x) antigen); Aa1064; Ac1-060; ApoB-48; ApoB-100; Apo B-100
<b>Gene ID</b>	<a href="#">54225</a>
<b>mRNA Refseq</b>	<a href="#">NM_019287</a>
<b>Protein Refseq</b>	<a href="#">NP_062160</a>
<b>UniProt ID</b>	<a href="#">Q7TMA5</a>

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