Apolipoprotein B (APOB) Recombinant Protein | APOB recombinant protein

Recombinant Apolipoprotein B (APOB)

CATALOG #	HOST	APPLICATIONS
AAA149291	**E.coli**	**Western Blot, SDS-Page**

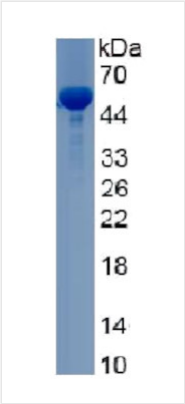
PRODUCT SYNONYMS

Apolipoprotein B (APOB); Recombinant Apolipoprotein B (APOB); Apo-B; FLDB; Apo B-100; Apo B-48; APOB recombinant protein

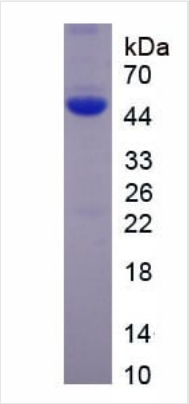
PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; 100mM NaHCO3, 500mM NaCl, pH 8.3, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for APOB recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu32~Met306
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Secreted, Cytoplasm
Predicted isoelectric point	8.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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 degree C 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.

IMAGES



SDS_PAGE



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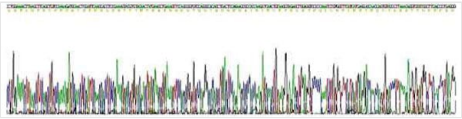

Gene Sequence
Gene Sequencing (extract

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SSGVQGTADS  RSATKINCKV  ELEVPQICGF  IMRTNQCTLK  EVYGFNPEGK  ALMKKTKNSE
EFAAAMSRYE  LKLAIPEGKQ  IVLYPDKDEP  KYILNIKRGI  ISALLVPPET  EEDQQELFLD
IVYGNCSIQV  IVNSRKGIVP  TEMSIERNLQ  QCDGFQPISI  SVSPLALIKG  LVHPLSILIS
SSQTCQYTLD  PKRKHVSEAV  CDEQHLFLPF  SYKNKYGIMT  RVTQKLSLED  TPKINSRFFS
EGTNRM
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	161702988
NCBI GeneID	238055
NCBI Accession #	NP_033823.2
NCBI GenBank Nucleotide #	NM_009693.2
UniProt Accession #	E9Q414
Molecular Weight	Predicted Molecular Mass: 44.7kDa Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	apolipoprotein B-100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	Apob
NCBI Official Synonym Symbols	apob-48; AI315052; apob-100; Apo B-100
NCBI Protein Information	apolipoprotein B-100
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	**Apob**
UniProt Synonym Gene Names	Apo B-100; Apo B-48

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/apob-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149291