

Apolipoprotein B (APOB) Recombinant Protein | APOB recombinant protein

Recombinant Apolipoprotein B (APOB)

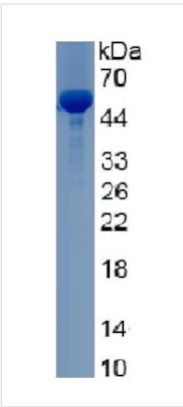
CATALOG # AAA149291	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

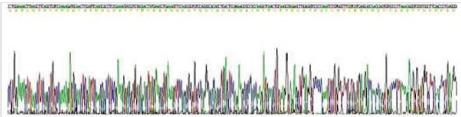
Apolipoprotein B (APOB); Recombinant Apolipoprotein B (APOB); Apo-B; FLDB; Apo B-100; Apo B-48; APOB recombinant protein

PRODUCT SPECIFICATIONS

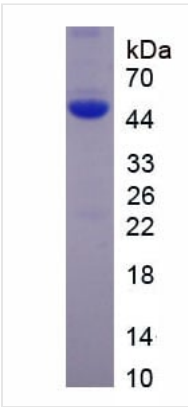
Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; 100mM NaHCO ₃ , 500mM NaCl, pH 8.3, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for APOB recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, 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 ddH ₂ O 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.



SDS_PAGE



Gene Sequence
Gene Sequencing (extract)



SDS-PAGE

SSQVGTADS	RSATKINCKV	ELEVPOICGF	LEMLSFSCP	KDATRFKHRL	KYYVRYEAS
EFAAMSRYE	LKLAIPGCKQ	IVLYPOKDEP	IMRTNQCTLK	EVYGFHPEGK	ALMKTKNSE
IVYGNCSTIV	TVNSHKGIVP	TEMSTERNLQ	KYILNIKRGI	ISALLVPPET	EEDQQLFLD
SSQTCQYTLQ	PKRKHVSEAV	CDEQHLFLPF	QCDGFOPJST	SVSPLALIKG	LWHPLSLIS
EGTNRH			SYNKNYGIINT	RVTKQLSLED	TPKINSRFFS

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.