

Apolipoprotein B100 (APOB100) Recombinant Protein | APOB100 recombinant protein

Recombinant Apolipoprotein B100 (APOB100)

CATALOG # AAA21115	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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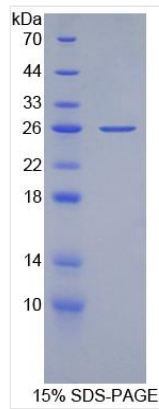
PRODUCT SYNONYMS

Apolipoprotein B100 (APOB100); Recombinant Apolipoprotein B100 (APOB100); Apo-B100; APOB100 recombinant protein

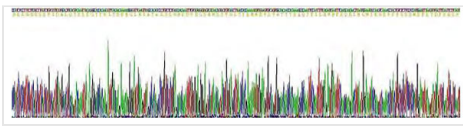
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 800ug/mL (varies by lot)
Applicable Applications for APOB100 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	His3365~Glu3548
Tags	N-terminal His Tag
Subcellular Location	Secreted, Cytoplasm, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	9.5
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 10mM PBS (pH7.4) 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



Gene Sequencing (Extract)



SDS-PAGE

HLLSSS SSVIALQYK LEGTTRLTRK RGLKLATALS
LSNKFVEGSH NSTVSLTTKN MEVSVATTTK AQIPILRMNF KQELNGNTKS
KPTVSSSMF KYDFNSSMLY STAGAVDHK LSLESLTSYF SIESSTKGDV
KGSVLSREYS GTIASEANTY LNSKSTRSSV KLQGTSKIDD IWNLEVKE

Sequence Information

ADDITIONAL INFORMATION

Product Categories/Family for APOB100 recombinant protein	Metabolic pathway; Endocrinology; Cardiovascular biology; Hepatology; Nutrition metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	105990532
NCBI GeneID	338
NCBI Accession #	NP_000375.2
NCBI GenBank Nucleotide #	NM_000384.2
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8
Molecular Weight	Predicted Molecular Mass: 21.4kDa Accurate Molecular Mass: 26kDa 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	FLDB; LDLCQ4; apoB-48; apoB-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.