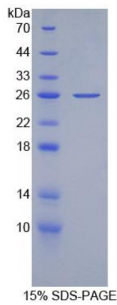


Datasheet

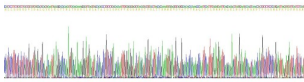
Version: 3.0.0
Revision date: 15 Jan 2025

Human Apolipoprotein B-100 (APOB100) Protein

Catalogue No.: abx652120



SDS-PAGE analysis of recombinant Human APOB100 Protein.



Gene sequencing extract of recombinant Human APOB100 Protein.

Human Apolipoprotein B100 (APOB100) Protein is a Recombinant Human protein expressed in E. coli.

Target: Apolipoprotein B-100 (APOB100)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 90%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 10 mM PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in 10 mM PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

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Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P04114 ([UniProt](#), [ExPASy](#))

Gene Symbol: APOB

GeneID: [338](#)

OMIM: [107730](#)

HGNC: 603

KEGG: hsa:338

Ensembl: ENSG00000084674

String: [9606.ENSP00000233242](#)

Molecular Weight: Calculated MW: 21.4 kDa
Observed MW (SDS-PAGE): 26 kDa
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: His3365-Glu3548

Sequence: HLLSSS SVIDALQYK LEGTTRLTRK RGLKLATALS LSNKFVEGSH NSTVSLTTKN MEVSVATTTK
AQ
IPILRMNF KQELNGNTKS KPTVSSSMEF KYDFNSSMLY STAKGAVDHK LSLESLTSYF
SIESSTKGDV
KGSVLSREYS GTIASEANTY LNSKSTRSSV KLQGTSKIDD IWNLEVKE

Tag: N-terminal His tag

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Activity: Not tested

Concentration: Prior to lyophilization: 800 µg/ml

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Note:

This product is for research use only.

Not for human consumption, cosmetic, therapeutic or diagnostic use.

For Reference Only