

## Product datasheet

# Recombinant Human Apolipoprotein B ab80037

1 Image

### Description

<b>Product name</b>	Recombinant Human Apolipoprotein B
<b>Purity</b>	> 80 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P04114</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	NPVSKGLLIFDASSSWGPGQMSASVHLDSKKKQHLFVKEV KIDGQFRVSSF YAKGTYGLSCQRDPNTGRLNGESNLRFNSSYLQGTNQITG RYEDGTLSLT STSDLQSGIIKNTASLKYENYELTLKSDTNGKYKNFATSNK MDMTFSKQN ALLRSEYQADY
<b>Predicted molecular weight</b>	31 kDa including tags
<b>Amino acids</b>	1406 to 1606
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	E. coli derived ApoB100 fusion protein with His tag

### Specifications

Our **Abpromise guarantee** covers the use of **ab80037** in the following tested applications.

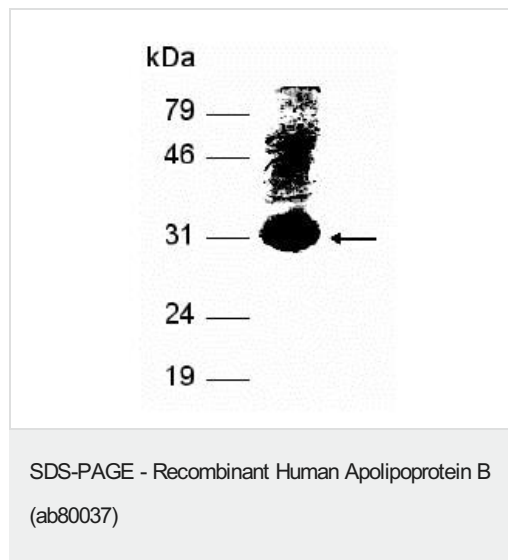
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot
	ELISA
	SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: PBS
<b>Reconstitution</b>	Redissolve the powder with 1 ml sterile water will restore to the original concentration 1 mg/ml.
<b>General Info</b>	
<b>Function</b>	Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor.
<b>Involvement in disease</b>	Hypobetalipoproteinemia, familial, 1 Familial ligand-defective apolipoprotein B-100 Defects in APOB associated with defects in other genes (polygenic) can contribute to hypocholesterolemia.
<b>Sequence similarities</b>	Contains 1 vitellogenin domain.
<b>Post-translational modifications</b>	Palmitoylated; structural requirement for proper assembly of the hydrophobic core of the lipoprotein particle.
<b>Cellular localization</b>	Cytoplasm. Secreted.

## Images



20% SDS-PAGE gel analysis showing ab80037 at approximately 31 kDa. Commassie blue staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors