

# Recombinant Human DNA Polymerase beta protein ab111641

## 1 图像

### 描述

产品名称	重组人DNA Polymerase beta蛋白
纯度	> 90 % SDS-PAGE. ab111641 is purified using conventional chromatography.
表达系统	Escherichia coli
Accession	<b><u>P06746</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<p><b>MGSSHHHHHSSGLVPRGSHMSKRKAPQETLNGGITDMLT ELANFEKNVS QAIHKYNAYRKAASVIAKYPHKIKSGAEAKKLPGVGTKIAEK IDEFLATG KLRKLEKIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTL EDLRKNED KLNHHQRIGLYFGDFEKRIPREEMLQMQLDIVLNEVKKVDSE YIATVCGS FRRGAESSGMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVH FITDTLSK GETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYF TGSDIFNK NMRAHALEKGFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDY IQWKYREP KDRSE</b></p>
预测分子量	40 kDa including tags
氨基酸	1 to 335
标签	His tag N-Terminus

### 技术指标

Our **Abpromise guarantee** covers the use of **ab111641** in the following tested applications.

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

应用 SDS-PAGE

Mass Spectrometry

质谱法

MALDI-TOF

形式

Liquid

### 制备和贮存

#### 稳定性和存储

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.02% DTT, 69% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

### 常规信息

#### 功能

Repair polymerase. Conducts "gap-filling" DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases. Has a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity.

#### 序列相似性

Belongs to the DNA polymerase type-X family.

#### 结构域

Residues 239-252 form a flexible loop which appears to affect the polymerase fidelity.

#### 翻译后修饰

Methylation by PRMT6 stimulates the polymerase activity by enhancing DNA binding and processivity.

#### 细胞定位

Nucleus, Cytoplasm

### 图片



15% SDS-PAGE analysis of ab111641 (3 µg)

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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