# abcam

# Product datasheet

# 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 P06746

**蛋白长度** Full length protein

无动物成分 No

性质 Recombinant

种属 Human

序列 MGSSHHHHHHSSGLVPRGSHMSKRKAPQETLNGGITDMLT

**ELANFEKNVS** 

QAIHKYNAYRKAASVIAKYPHKIKSGAEAKKLPGVGTKIAEK

**IDEFLATG** 

KLRKLEKIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTL

**EDLRKNED** 

KLNHHQRIGLKYFGDFEKRIPREEMLQMQDIVLNEVKKVDSE

**YIATVCGS** 

FRRGAESSGDMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVH

FITDTLSK

GETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYF

TGSDIFNK

NMRAHALEKGFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDY

IQWKYREP KDRSE

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

1

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.

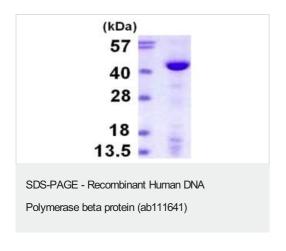
结**构域** Residues 239-252 form a flexible loop which appears to affect the polymerase fidelity.

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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