

# Recombinant Human POLQ (1819-2590) Protein

Catalog No.: RP02982LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10721	O75417

### Tags

N-6His

### Synonyms

POLH;DNA polymerase theta

## Product Information

### Source

Baculovirus-Infected Sf9 Cells

### Purification

> 95% by SDS-PAGE

### Calculated MW

88.6 kDa

### Observed MW

90-100 kDa

### Endotoxin

### Formulation

Supplied as a 0.22 µm filtered solution in 20 mM Tris, 500 mM NaCl, 2mM B-ME, 5% glycerol, pH 8.5

### Reconstitution

## Background

### Basic Information

#### Description

Recombinant human POLQ (1819-2590) protein with N-terminal 6x his tag +TEV cleavage site was purified by Ni-NTA affinity and followed by SEC chromatography. The POLQ (1819-2590) protein showed high activity in TR-FRET and ADP-Glo assay.

#### Bio-Activity

1.POLQ (1819-2590) polymerase activity test using TR-FRET method.|2.POLQ (1819-2590) polymerase activity test using FI method.

#### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

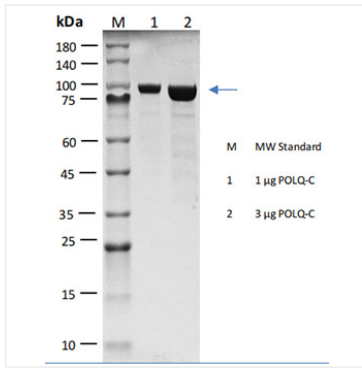
## Contact

 | 400-999-6126

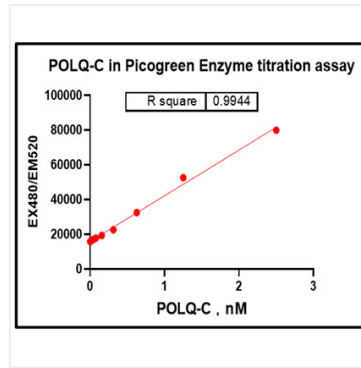
 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

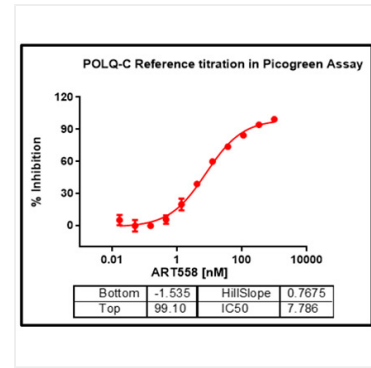
## Validation Data



Recombinant Human POLQ (1819-2590)  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing bands at 88.6 kDa.



POLQ (1819-2590) polymerase activity test  
using FI method. The POLQ (1819-2590)  
polymerase activity was assayed with  
PicoGreen technology. The reaction was  
performed by incubating the POLQ  
(1819-2590) protein, fluorescence-labeled  
dsDNA and PicoGreen at 25C for 90min, then  
reading 485nm and 520nm fluorescence  
signal with BMG.



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