

# Recombinant Human POLQ (1819-2590) Protein

Catalog No.: RP02982LQ Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 10721 075417

**Tags** 

N-6His

**Synonyms** 

POLH; DNA polymerase theta

### **Product Information**

**Source** Purification

Baculovirus-Infected ≥ 95 % as

Sf9 Cells determined by SDSPAGE.

Calculated MW Observed MW

88.6 kDa 90-100 kDa

**Endotoxin** 

Please contact us for more information.

**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.

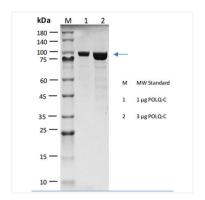
#### Storage

Store at  $-70^{\circ}$ C. This product is stable at  $\leq -70^{\circ}$ 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.

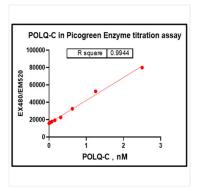
### Contact

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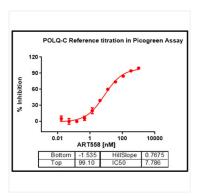
### **Validation Data**



Recombinant Human POLQ (1819-2590) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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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