

Recombinant Human POLQ (1-894) Protein

Catalog No.: RP02983LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10721	O75417

Tags

N-6His

Synonyms

POLH;DNA polymerase theta

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 95% by SDS-PAGE

Calculated MW	Observed MW
101.8 kDa	100-110 kDa

Endotoxin

Formulation

Supplied as a 0.22 μ m 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 (1-894) protein with N-terminal 6x his tag +TEV cleavage site was purified by Ni-NTA affinity and followed by SEC chromatography. The POLQ (1-894) protein showed high ATPase activity in ADP-Glo assay

Bio-Activity

POLQ (1-894) activity test using ADP-Glo method.

Storage

Store at -70°C. This product is stable at \leq -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.

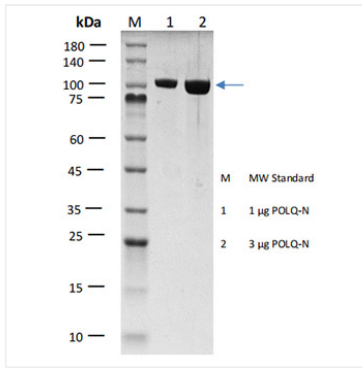
Contact

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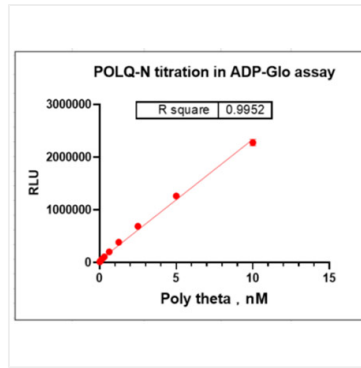
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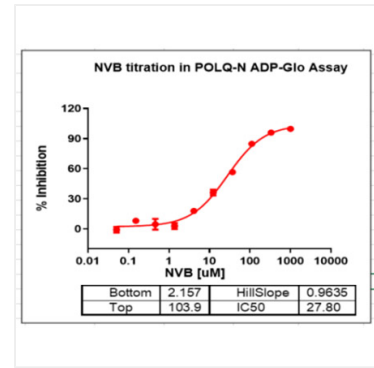
Validation Data



Recombinant Human POLQ (1-894) Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 101.8 kDa.



POLQ (1-894) activity test using ADP-Glo method. The POLQ (1-894) activity was assayed with ADP-Glo technology. The reaction was performed by incubating the POLQ-N protein, ATP and ssDNA at 25°C for 40 min, then reading luminescence signal with BMG.



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