

# Recombinant Human PARP1 Protein

Catalog No.: RP02980LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	142	P09874

### Tags

N-6His

### Synonyms

PARP; PARS; PPOL; ADPRT; ARTD1;  
ADPRT1; PARP-1; ADPRT 1; pADPRT-1;  
Poly-PARP

## Product Information

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

### Endotoxin

### Formulation

Supplied as a 0.22  $\mu$ m filtered solution in 20mM Hepes, 300mM NaCl, 1mM DTT, pH7.0

### Reconstitution

## Background

### Basic Information

#### Description

Recombinant human PARP1 protein with N-terminal 6x his tag +TEV cleavage site was purified by Ni-NTA affinity and followed by SEC chromatography. The PARP1 protein showed high activity in ELISA assay

#### Bio-Activity

PARP1 activity test using ELISA method.

#### Storage

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

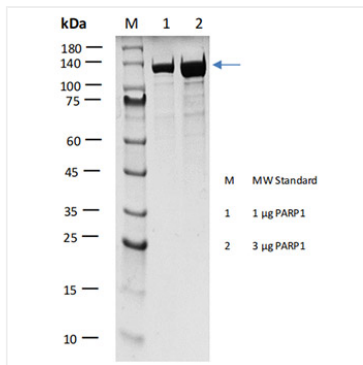
## Contact

 | 400-999-6126

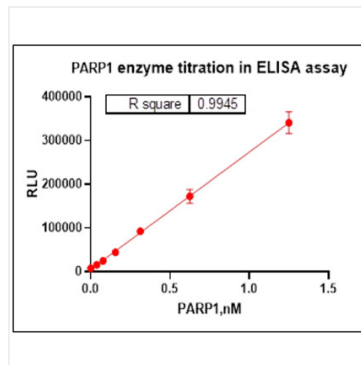
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## Validation Data



Recombinant Human PARP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 115.1 kDa.



The PARP1 activity was assayed with ELISA. The reaction was performed by: (1) Histone protein was coated on a 96-well plate. (2) A biotinylated NAD<sup>+</sup> mix is incubated with varying different concentration of the PARP1 enzyme and an activated DNA. (3) The plate was treated with streptavidin-HRP followed by addition of the ELISA ECL substrate to produce chemiluminescence. Finally, measured the signal using a chemiluminescence reader.