

## PARG recombinant protein

Recombinant PARG protein

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA60402</b> | HOST<br><b>Baculovirus</b> |
|------------------------------|----------------------------|

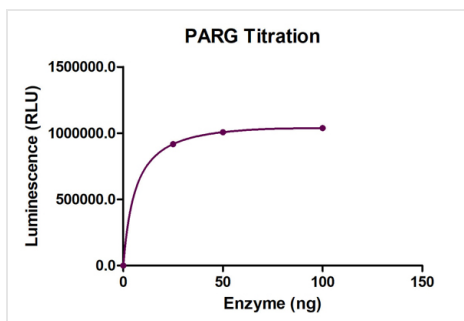
### PRODUCT SYNONYMS

PARG; Recombinant PARG protein; Poly(ADP-ribose) glycohydrolase; Mitochondrial Poly(ADP-Ribose) Glycohydrolase; PARG recombinant protein

### PRODUCT SPECIFICATIONS

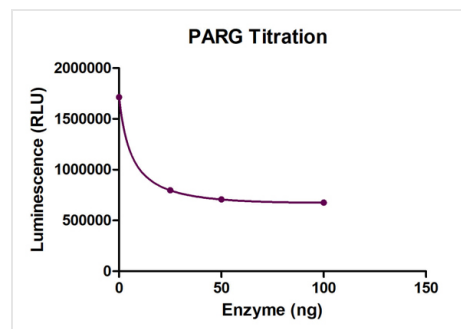
|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Baculovirus                                                                                                                                                                                                              |
| Purity/Purification     | >=75% by SDS-PAGE.                                                                                                                                                                                                       |
| Form/Format             | Recombinant PARG protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.                                                                                                  |
| Protein Species         | Human                                                                                                                                                                                                                    |
| Protein Details         | Recombinant PARG protein that includes full length of human PARG protein (accession number NP_003622.2) was expressed in Sf9 cells and contains an C-terminal His and DYKDDDDK tag with a molecular weight of 113.63kDa. |
| Preparation and Storage | Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.                             |

### IMAGES



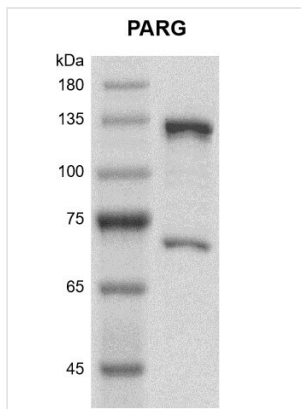
#### ELISA

ELISA for PARG activity 25uM NAD-Biotin and Activated DNA were added into ELISA plate (coated with histone H2A and H2B mixture) with PARP1 in ADPR Buffer and incubated for 1 hour at room temperature. After washing, different concentrations of PARG were added into each well and incubated in reaction buffer for 1 hour at room temperature. Following Streptavidin-HRP and ECL incubation, the plate was read in a luminometer or microtiter-plate reader.



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#### SDS-PAGE

Recombinant PARG protein gel. PARG protein was run on a 10% SDS-PAGE gel and stained with Coomassie Blue. MW: 113.63kDa Purity: >75%

### ADDITIONAL INFORMATION

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for PARG recombinant protein</b> | PARG (Poly (ADP-ribose) glycohydrolase) catalyzes the hydrolysis of glycosidic bonds of ADP-ribose polymers, producing monomeric ADP-ribose units. Thus, in conjunction with poly(ADP-ribose) polymerase (PARP), PARG activity regulates the extent of in vivo poly(ADP-ribosyl)ation. PARG acts both as an endo- and exoglycosidase, releasing poly (ADP-ribose) of different lengths as well as ADP-ribose monomers. Involved in the synthesis of ATP in the nucleus, together with PARP1, NMNAT1 and NUDT5. |
| <b>Product Categories/Family for PARG recombinant protein</b>   | <a href="#">DNA Damage</a> ; <a href="#">Poly ADP-ribosylation</a> ; <a href="#">Recombinant Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                      |

### NCBI AND UNIPROT INFORMATION

|                         |           |
|-------------------------|-----------|
| <b>Molecular Weight</b> | 113.63kDa |
|-------------------------|-----------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
 Online datasheet: <https://stage.aaabiotech.com/parg-recombinant-protein-baculovirus/60402>