

PARG recombinant protein

Recombinant PARG (448-976) protein

CATALOG # AAA60377	HOST E coli
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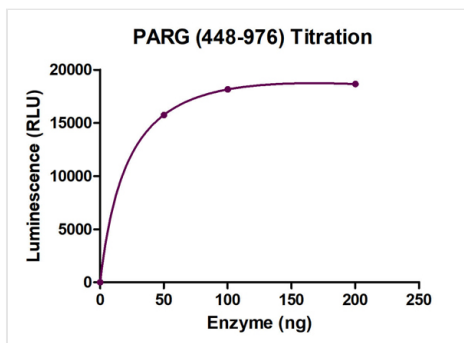
PRODUCT SYNONYMS

PARG; Recombinant PARG (448-976) protein; Poly(ADP-ribose) glycohydrolase; Mitochondrial Poly(ADP-Ribose) Glycohydrolase; PARG recombinant protein

PRODUCT SPECIFICATIONS

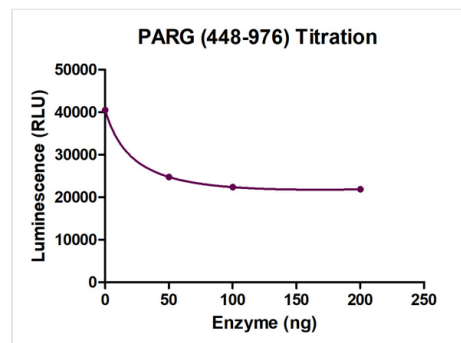
Host	E coli
Form/Format	Recombinant PARG (448-976) protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant PARG (448-976) protein that includes amino acids 448-976 of human PARG protein (accession number NP_003622.2) was expressed in E coli cells with an C-terminal 6xHis tag. The molecular weight of the protein is 62.26kDa.
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



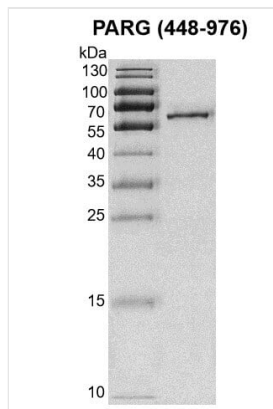
ELISA

ELISA for ADPRS/ARH3 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 (448-976) was 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.



ELISA

ELISA for PARG (448-976) 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 (448-976) was 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.



SDS-PAGE

Recombinant PARG (448-976) protein 12.5% SDS-PAGE Coomassie staining MW:
62.26kDa Purity: >=95%

ADDITIONAL INFORMATION

Related Product Information for PARG recombinant protein	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 length as well as ADP-ribose monomers. Involved in the synthesis of ATP in the nucleus, together with PARP1, NMNAT1 and NUDT5.
Product Categories/Family for PARG recombinant protein	DNA Damage ; Poly ADP-ribosylation ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	62.26kDa
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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.

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Online datasheet: <https://www.aaabiotech.com/parg-recombinant-protein-e-coli/60377>