

Active Recombinant Human PARP1 protein, His-tagged

Cat. No. PARP1-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PARP1 protein(NP_001609.2) (Met 1-Trp 1014) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-1014 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human PARP1 at 10 µg/mL (100 µl/well) can bind biotinylated human HSP70, The EC50 of biotinylated human HSP70 is 0.035 µg/mL.
Molecular Mass	The recombinant human PARP1 consists of 1024 amino acids and predicts a molecular mass of 114.5 kDa. The apparent molecular mass of rhPARP1 is approximately 100-110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

protein Refseq-Weblink

http://www.ncbi.nlm.nih.gov/protein/NP_001609.2

Unit ID

P09874

Unit ID-Weblink

<http://www.uniprot.org/uniprot/P09874>

GENE INFORMATION

Gene Name

PARP1 poly (ADP-ribose) polymerase 1 [Homo sapiens]

Official Symbol

PARP1

Synonyms

PARP1; poly (ADP-ribose) polymerase 1; ADP ribosyltransferase (NAD⁺; poly (ADP ribose) polymerase) , ADPRT, poly (ADP ribose) polymerase family, member 1 , PPOL; poly [ADP-ribose] polymerase 1; PARP; poly(ADP-ribose) polymerase; poly(ADP-ribose) synthetase; poly[ADP-ribose] synthase 1; poly(ADP-ribosyl)transferase; ADP-ribosyltransferase NAD(+); NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose) polymerase family, member 1; ADP-ribosyltransferase (NAD⁺; poly (ADP-ribose) polymerase); PPOL; ADPRT; ADPRT1; PARP-1; ADPRT 1; pADPRT-1;

Gene ID

142

mRNA Refseq

NM_001618

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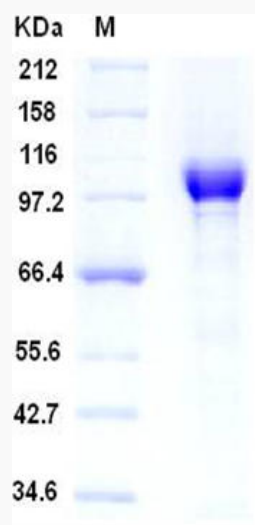
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MIM 173870

SDS-PAGE



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