

## Active Recombinant Human PARP1 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-1014 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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](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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**protein Refseq** NP\_001609

**MIM** 173870

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