

## Recombinant Human PARP1 Protein, DDK-tagged

Cat. No. PARP1-101H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human PARP1 fused with DDK tag at C-terminal was expressed in Insect cells.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Insect Cells  |
| <b>Description</b>      | This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. |
| <b>Form</b>             | 50mM Tris-HCl pH8.0, 150mM NaCl, 10%glycerol.   |
| <b>Molecular Mass</b>   | 113 kDa   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 4 months from receipt of products under proper storage and handling conditions.   |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method  |

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## 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](#)

**Protein Refseq** [NP\\_001609](#)

**MIM** [173870](#)

**UniProt ID** [P09874](#)

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