Recombinant Human PARP1 Protein, DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PARP1 fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	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.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 10%glycerol.
Molecular Mass	113 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	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.
Concentration	>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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