

Active Recombinant Human PARP1 Protein, MYC/His-Tagged

Cat. No. PARP1-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PARP1 Protein, MYC/His-Tagged was expressed in Sf21 insect cells.
Species	Human
Source	Sf21 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	Liquid
Bio-activity	≥1'200U/mg protein.
Purity	≥98% (SDS-PAGE)
Usage	RUO - Research Use Only
Storage	long time storage: -80°C

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Storage Buffer	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 50mM imidazole, 0.2% NP-40 and 10% glycerol.
Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -80°C.
Shipping	Shipped on Dry Ice

GENE INFORMATION

Gene Name	PARP1 poly(ADP-ribose) polymerase 1 [Homo sapiens (human)]
Official Symbol	PARP1
Synonyms	PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP
Gene ID	142
mRNA Refseq	NM_001618.3
Protein Refseq	NP_001609.2
MIM	173870
UniProt ID	P09874

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