

Recombinant Human PARP1 Protein, His tagged

Cat. No. PARP1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PARP1 protein (71-328 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	71-328 aa
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.
Molecular Mass	30 kDa
AA Sequence	MVDGFSELRWDDQQKVKKTAEAGGVTGKGQDGIGSKAEKTLGDFAAEYAKSNRST CKGCMKIEKGQVRLSKKMVDPEKPQLGMIDRWYHPGCFVKNREELGFRPEYSAS QLKGFSLLATEDKEALKKQLPGVKSEGKRKGDEVDGVDEVAKKKSKKEKDKDSKLE KALKAQNDLIWNIKDELKKVCSTNDLKELLIFNKQQVPSGESAILDRVADGMVFGALL PCEECGQLVFKSDAYYCTGDVTAWTKCMVKTQTPHHHHHHHH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH6.5, 10 % Glycerol. 8 % Trehalose
Concentration	0.88 mg/mL by BCA

GENE INFORMATION

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

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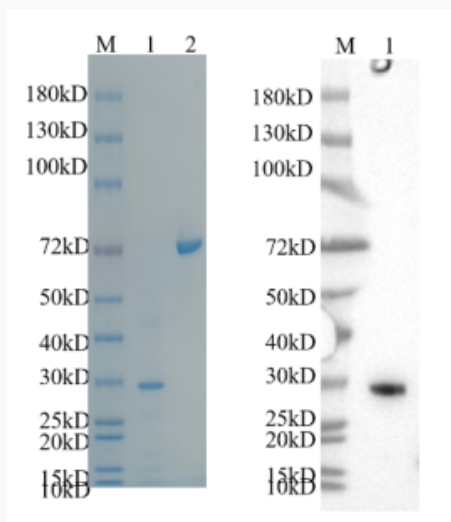
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MIM 173870

UniProt ID P09874

Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
PARP1.



1. PARP1: 1 μ g
2. BSA: 1 μ g

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