

Polymerase 1 Recombinant Protein | PARP1 recombinant protein

Recombinant Human Poly (ADP-Ribose) Polymerase 1

CATALOG #
AAA38716

HOST
E Coli

PRODUCT SYNONYMS

Polymerase 1; Recombinant Human Poly (ADP-Ribose) Polymerase 1; PARP1 Human; Poly (ADP-Ribose) Polymerase 1 Human Recombinant; ADPRT; ADPRT1; pADPRT; pADPRT-1; PARP; PARP-1; PPOL; Poly [ADP-ribose] polymerase 1; NAD(+) ADP-ribosyltransferase 1; Poly[ADP-ribose] synthase 1; PARP1; PARP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	PARP1 solution containing 20mM Tris pH-8, 1Mm DTT and 10% glycerol. Sterile filtered colorless solution.
Sequence	MKSKLPKPVQ DLIKMI F DVE SMKKAMVEYE IDLQKMPLGK LSKRQIQAA Y SILSEVQQAV SQGSSDSQIL DLSNRFYTLI PHDFGMKKPP LLNNADSVQA KAEMLDNLLD IEVAYSLLRG GSDDSSKDPI DVNYEKLKTD IKVVD RDSEE AEIIRKYVKN THATTHNAYD LEVIDIFKIE REGECQRYKP FKQLHNRRL WHGSRTTNFA GILSQGLRIA PPEAPVTGYM FGKGIYFADM VSKSANYCHT SQGDPIGLIL LGEVALGNMY ELKHASHISK LPKGKHSVKG LGKTTDPDSA NISLDGVDVP LGTGISSGVN DTSLLYNEYI VYDIAQVNLK YLLKLKFNFK TSLW
Sequence Length	1014
Preparation and Storage	PARP1 Human Recombinant although stable at 4 degree C for 1 week, should be stored below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PARP1 recombinant protein	Description: PARP1 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 354 amino acids (662-1014a.a.) and having a molecular mass of 39.6 kDa. PARP1 is purified by proprietary chromatographic techniques. Introduction: PARP1 takes part in the base excision repair pathway, by catalyzing the poly ADP-ribosyl of a restricted number of acceptor proteins involved in chromatin architecture and in DNA metabolism.. PARP1 mediates the poly ADP-ribose of APLF and CHFR. PARP1 positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150. PARP1 is a chromatin-associated enzyme, poly (ADP-ribosyl) transferase, which modifies various nuclear proteins by poly ADP-ribosyl. PARP1 takes part in the regulation of various significant 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. PARP1 is a site of mutation in Fanconi anemia, and is involved in the pathophysiology of type I diabetes.
Product Categories/Family for PARP1 recombinant protein	Enzymes ; Polymerase

NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609.2

NCBI GenBank Nucleotide #	NM_001618.3
UniProt Accession #	P09874 ; Q8IUZ9 ; B1ANJ4
Molecular Weight	113,084 Da
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly (ADP-ribose) polymerase 1
NCBI Official Symbol	PARP1
NCBI Official Synonym Symbols	PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1
NCBI Protein Information	poly [ADP-ribose] polymerase 1; poly [ADP-ribose] polymerase 1; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase); ADP-ribosyltransferase NAD(+); ADP-ribosyltransferase diphtheria toxin-like 1; NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose) polymerase family, member 1; poly(ADP-ribose) polymerase; poly(ADP-ribose) synthetase; poly(ADP-ribosyl)transferase; poly[ADP-ribose] synthase 1
UniProt Protein Name	Poly [ADP-ribose] polymerase 1
UniProt Gene Name	PARP1
UniProt Synonym Gene Names	ADPRT; PPOL; PARP-1; ARTD1; ADPRT 1
UniProt Entry Name	PARP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/parp1-recombinant-protein-e-coli/38716>