

Recombinant Human PARP2, His-tagged

Cat. No. PARP2-7559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PARP2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	233-583aa
Antigen Description	PARP2 is poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	42.5 kDa (376aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQLDLR VQELIKLICN VQAMEEMMME MKYNTKKAPL GKLTVAQIKA GYQSLKKIED CIRAGQHGRA LMEACNEFYT RIPHDFGLRT PPLIRTQKEL SEKIQLLEAL GDIEIAIKLV KTELQSPEHP

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LDQHYRNLHC ALRPLDHESY EFKVISQYLQ STHAPTHSDY TMTLLDLFEV
 EKDGEKEAFR EDLHNRMLLW HGSRMSNWVG ILSHGLRIAP PEAPITGYMF
 GKGIYFADMS SKSANYCFAS RLKNTGLLLL SEVALGQCNE LLEANPKAEG
 LLQGKHSTKG LGKMAPSSAH FVTLNGSTVP LGPASDTGIL NPDGYTLNYN
 EYIVYNPNQV RMRYLLKVQF NFLQLW

Purity >85% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name PARP2 poly (ADP-ribose) polymerase 2 [Homo sapiens]

Official Symbol PARP2

Synonyms PARP2; poly (ADP-ribose) polymerase 2; ADP ribosyltransferase (NAD⁺; poly(ADP ribose) polymerase) like 2 , ADPRTL2, poly (ADP ribose) polymerase family, member 2; poly [ADP-ribose] polymerase 2; ADPRT-2; hPARP-2; poly(ADP-ribose) synthetase; poly[ADP-ribose] synthase 2; poly[ADP-ribose] synthetase 2; NAD(+) ADP-ribosyltransferase 2; poly (ADP-ribosyl) transferase-like 2; poly (ADP-ribose) polymerase family, member 2; ADP-ribosyltransferase (NAD⁺; poly(ADP-ribose) polymerase)-like 2; ADPRT2; PARP-2; ADPRTL2; ADPRTL3; pADPRT-2;

Gene ID 10038

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mRNA Refseq	NM_001042618
Protein Refseq	NP_001036083
MIM	607725
UniProt ID	Q9UGN5
Chromosome Location	14q11.2-q12
Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Regulation of Telomerase, organism-specific biosystem;
Function	DNA binding; NAD+ ADP-ribosyltransferase activity; transferase activity, transferring glycosyl groups;

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