

AR50827PU-N

Human PARP2 (233-583, His-tag) - Purified

Alternate names:

ADPRT2, ADPRTL2, EC=2.4.2.30, NAD(+) ADP-ribosyltransferase 2, PARP 2, PARP-2, Poly [ADP-ribose] polymerase 2, Poly[ADP-ribose] synthetase 2, pADPRT-2

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9UGN5](#)

NCBI:

[NP_005475](#)

GenelD:

[10038](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human PARP2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSQMQLDLR VQELIKLICN VQAMEEMME MKYNTKKAPL
GKLTVAQIKA GYQSLKKIED CIRAGQHGRA LMEACNEFYT RIPHDFGLRT PPLIRTQKEL
SEKIQLLEAL GDIEIAIKLV KTELQSPEHP LDQHYRNLHC ALRPLDHESY EFKVISQYLQ
STHAPTHSDY TMTLLDLFEV EKDGEKEAFR EDLHNRMLLW HGSRMSNWVG ILSHGLRIAP
PEAPITGYMF GKGIYFADMS SKSANYCFAS RLKNTGLLLL SEVALGQCNE LLEANPKAEG
LLQGHSTKG LGKMAPSSAH FVTNLGSTVP LGPASDTGIL NPDGYTLNLY EYIVYNPNQV
RMRYLLKVQF NFLQLW

Molecular weight: 42.5 kDa (376aa)

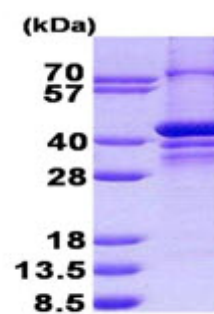
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Schreiber V., et al. (2002) J. Biol. Chem. 277:23028-23036
Karlberg T., et al. (2010) Biochemistry. 49:1056-1058

Pictures:



15% SDS-PAGE (3ug)