

Recombinant human PARP2 protein

Catalog Number: ATGP2003

PRODUCT INFORMATION

Expression system

E.coli

Domain

233-583aa

UniProt No.

Q9UGN5

NCBI Accession No.

NP_005475

Alternative Names

Poly (ADP-ribose) polymerase 2, ADPRT2, ADPRTL2, ADPRTL3, ARTD2, pADPRT-2, PARP-2

PRODUCT SPECIFICATION

Molecular Weight

42.5 kDa (376aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant

Recombinant human PARP2 protein

Catalog Number: ATGP2003

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

Amino acid Sequence

MGSSHHHHHHH SSSLVPRGSH MGSQMQLDLR VQELIKLICN VQAMEEMME MKYNTKKAPL GKLTVAQIKA GYQSLKKIED
CIRAGQHGRA LMEACNEFYT RIPHDFGLRT PPLIRTQKEL SEKIQLLEAL GDIEIAIKLV KTELQSPPEHP LDQHYRNLHC
ALRPLDHEYS EFKVISQYLQ STHAPTHSDY TMTLLDLFEV EKDGEKEAFR EDLHNRMLLW HGSRMSNWVG ILSHGLRIAP
PEAPITGYMF GKGIFADMS SKSANYCFAS RLKNTGLLLL SEVALGQCNE LLEANPKAEG LLQGKHSTKG LGKMAPSSAH
FVTLNGSTVP LGPASDTGIL NPDGYTLNYN EYIVYNPNQV RMRYLLKVQF NFLQLW

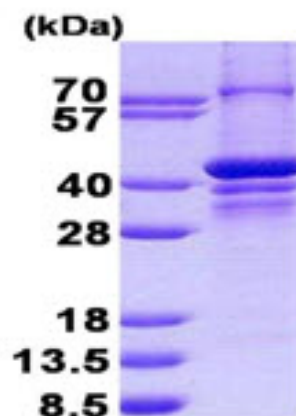
General References

Schreiber V., et al. (2002) J. Biol. Chem. 277:23028-23036

Karlberg T., et al. (2010) Biochemistry. 49:1056-1058

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)