

32-2645: PARP2 Recombinant Protein

Alternative Name : ADPRT2,ADPRTL2,ADPRTL3,ARTD2,pADPRT-2,PARP-2,Poly [ADP-ribose] polymerase 2,hPARP-2,ADP-ribosyltransferase diphtheria toxin-like 2,NAD (+) ADP-ribosyltransferase 2,Poly [ADP-ribose] synthase 2.

Description

Source : Escherichia Coli. PARP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 376 amino acids (233-583a.a) and having a molecular mass of 42.5kDa. PARP2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Poly (ADP-Ribose) Polymerase 2 (PARP2) contains 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. PARP2 is capable of catalyzing a poly (ADP-ribosyl)ation reaction. The basic residues within the N-terminal area of this protein can bear potential DNA-binding properties, and can be engaged in the nuclear and/or nucleolar targeting of the protein. There has been found two alternatively spliced transcript variants encoding distinct isoforms.

Product Info

Amount : 20 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : The PARP2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHH SSGLVPRGSH MGSHMQLDLR VQELIKLICN VQAMEEMME MKYNTKKAPL
 GKLTVAQIKA GYQSLKKIED CIRAGQHGRA LMEACNEFYT RIPHDFGLRT PPLIRTQKEL SEKIQLLEAL
 GDIEIAIKLV KTELQSPEHP LDQHYRNLHC ALRPLDHEYS EFKVISQYLQ STHAPTHSDY TMTLLDLFEV
 EKDGEKEAFR EDLHNRMLLW HGSRMSNWVG ILSHGLRIAP PEAPITGYMF GKGIYFADMS SKSANYCFAS
 RLKNTGLLLL SEVALGQCNE LLEANPKAEG LLQGHSTKG LGKMAPSSAH FVTLNGSTVP LGPASDTGIL
 NPDGYTLNYN EYIVYNPNQV RMRYLKLVQF NFLQLW.

