PARP1, 662-1014aa, Human, E.coli

Cat.NO.: TP03294

3th Edition

Synonyms: Poly (ADP-ribose) polymerase family, member 1, ADPRT, ADPRT1, pADPRT, pADPRT-1, PARP, PARP-1, PPOL.

Description:PARP1 is a nuclear DNA-binding zinc finger protein which can exist as a homo- or hetero-dimer, and is strongly activated by DNA strand breaks. This protein involved in chromatin architecture and DNA metabolism, and participates in protein modification to enhance or repress transcription. PARP1 also plays a role in other cellular processes, including cell proliferation and differentiation.

Form: Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight:39.6 kDa (354aa)

Sequences:
MKSKLPKPVQDLIKMIFDVESMKKAMVEYEIDLQKMPLGKLSKRQIQAAYSILSEVQQAVSQGSSDSQILDLSNRFYT
LIPHDFGMKKPPLLNNADSVQAKAEMLDNLLDIEVAYSLLRGGSDDSSKDPIDVNYEKLKTDIKVVDRDSEEAEIIRK
YVKNTHATTHNAYDLEVIDIFKIEREGECQRYKPFKQLHNRRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGYMFGK
GIYFADMVSKSANYCHTSQGDPIGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTTPDPSANISLDGVDVPL
GTGISSGVNDTSLLYNEYIVYDIAQVNLKYLLKLKFNFKTSLW

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.