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Datasheet

PARP1 (Human) Recombinant Protein

Catalog Number: P3547

Regulation Status: For research use only (RUO)

Product Description: Human PARP1 (AAH37545, 662 a.a. - 1014 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:
MKSKLPKPVQDLIKMIFDVESMKKAMVEYEIDLQKMPL GKLSKRQIQAAYSILSEVQQAVSQGSSDSQILDLSNRF YTLIPHDFGMKKPPLLNNADSVQAKAEMLDNLLDIEVA YSLLRGGSDDSSKDPIDVNYEKLKTDIKVVDRDSEEAE IIRKYVKNTHATTHNAYDLEVIDIFKIEREGECQRYKPFK QLHNRRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGY MFGKGIYFADMVSKSANYCHTSQGDPIGLILLGEVALG NMYELKHASHISKLPKGKHSVKGLGKTTPDPSANISLD GVDVPLGTGISSGVNDTSLLYNEYIVYDIAQVNLKYLLK LKFNFKTSLW

Host: Escherichia coli

Theoretical MW (kDa): 39.6

Applications: SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purification: Conventional Chromatography

Concentration: 1 mg/mL

Purity: > 95% by SDS-PAGE

Storage Buffer: In 20 mM Tris buffer, pH 8.0 (1 mM DTT, 10% glycerol).

Storage Instruction: Store at 2°C to 8°C for 1 week.
For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 142

Gene Symbol: PARP1

Gene Alias: ADPRT, ADPRT1, PARP, PARP-1, PPOL, pADPRT-1

Gene Summary: This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. [provided by RefSeq]