

Datasheet for ABIN666940
PARP1 Protein (AA 662-1014)



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1 Image

Overview

Quantity:	100 µg
Target:	PARP1
Protein Characteristics:	AA 662-1014
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PARP1, 662-1014aa, Human, E.coli
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	PARP1
Alternative Name:	PARP1 (PARP1 Products)

Background: 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. PARP-1 deficiencies lead to chromosomal instability due to higher frequencies of chromosome fusions and aneuploidy, suggesting that poly(ADPribosyl)ation contributes to

Target Details

the efficient maintenance of genome integrity. Recombinant PARP1 protein was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: ADPRT, ADPRT1, pADPRT, pADPRT-1, PARP, PARP-1, PPOL, Poly (ADP-ribose) polymerase family, member 1 ADP ribosyltransferase (NAD⁺, poly (ADP ribose) polymerase), ADPRT 1, msPARP, NAD(+) ADP ribosyltransferase 1, pADPRT 1, PARP 1, PARP1, Poly (ADP ribose) polymerase 1, poly(ADP ribose) synthetase, poly(ADP ribosyl)transferase, Poly[ADP ribose] synthetase 1, sPARP 1, sPARP1. NCBI no.: AAH37545

Molecular Weight: 39.6 kDa (354aa), confirmed by MALDI-TOF.

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#)

Application Details

Restrictions: For Research Use only

Handling

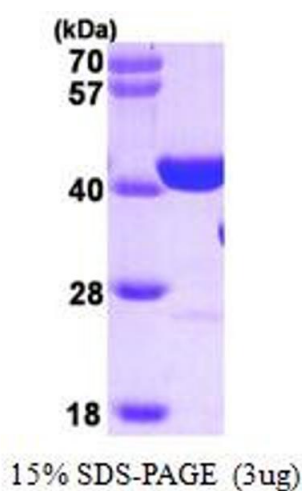
Format: Liquid

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

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

Storage: 4 °C

Images



SDS-PAGE

Image 1.