



[Go to Product page](#)

Datasheet for ABIN5710069

## PARP1 Protein (AA 2-331, partial) (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	PARP1
Protein Characteristics:	AA 2-331, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	FHKAEELFSK TTNNEVDDMD TSQTQWGWY LAECGKWHMF QPDTNSQCSV SSEDIEKSFK TNPCGSISFT TSKFSYKIDF AEMKQMNLTG GKQRLIKRAP FSISAFSYIC ENEAIPMPPH WENVNTQVPY QLIPLHNQTH EYNEVANLFG KTMDRNRIRK IQRIQLDLW EFFCRKKAQL KKKRGVPQIN EQMLFHGTSS EFVEAICIHN FDWRINGIHG AVFGKGTYFA RDAAYSSRFC KDDIKHGNTF QIHGVSLQQR HLFRTYKSMF LARVLIGDYI NGDSKYMRPP SKDGSYVNLY DSCVDDTWNP KIFVFDANQ IYPEYLIDFH
Purification:	SDS-PAGE
Purity:	> 90 %

#### Target Details

Target:	PARP1
---------	-------

## Target Details

---

Alternative Name: PARP1 ([PARP1 Products](#))

---

Background: Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Mediates the poly(ADP-ribosyl)ation of APLF and CHFR. Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Required for PARP9 and DTX3L recruitment to DNA damage sites. PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites.

---

Molecular Weight: 42.7 kDa

---

UniProt: [P09874](#)

---

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

---

## Application Details

---

Application Notes: Optimal working dilution should be determined by the investigator.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Concentration: 0.1-2 mg/mL

---

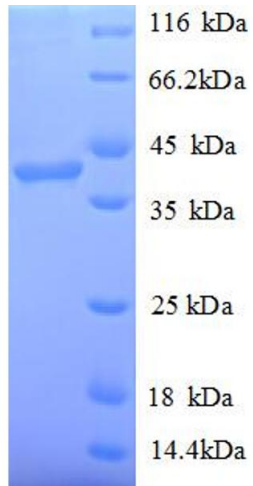
Buffer: 20 mM Tris-HCl based buffer, pH 8.0

---

Storage: -80 °C, 4 °C, -20 °C

---

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



### SDS-PAGE

Image 1.