

### Recombinant Mouse PARP2 protein ab168074

#### Description

---

**Product name** Recombinant Mouse PARP2 protein

**Purity** >= 98 % SDS-PAGE.

**Expression system** Baculovirus infected Sf21 cells

**Accession** **O88554**

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Mouse

**Sequence**

```
MAPRRQRSGSGRRVLNEAKKVDNGNKATEDDSPPGKK
MRTCQRKGPMAGG
KDADRTKDNRSVKTLKLGKAPVDPECAAKLGKAHVYC
EGDDVYDVMLN
QTNLQFNNNKYLIQLLEDDAQRNFSVWMRWGRVGTGQ
HSLVTCSGDLN
KAKEIFQKKFLDKTKNNWEDRENFEKVPVKYDMLQMDYA
ASTQDESKTKE
EETLKPESQLDLRVQELLKLCNVQTMEEMMIEMKYDTKR
APLGKLTVAQ
IKAGYQSLKKIEDCIRAGQHGRALVEACNEFYTRIPDFGL
SIPPVIRTE
KELSDKVKLLEALGDIEIALKLVKSERQGLEHPLDQHYRNL
HCALRPLDH
ESNEFKVISQYLQSTHAPTHKDYMTLLDVFEVEKEGEKE
AFREDLPNRM
LLWHGSRLSNWVGILSHGLRVAPPEAPITGYMFGKGIYFA
DMSSKSANYC
FASRLKNTGLLLLSEVALGQCNELLEANPKAQGLLRGKHS
TKGMGKMAPS
PAHFITLNGSTVPLGPASDTGILNPEGYTLNNEFIVYSPNQ
VRMRYLLK IQFNFLQLW
```

**Predicted molecular weight** 63 kDa

**Amino acids** 1 to 559

## Specifications

---

Our **Abpromise guarantee** covers the use of **ab168074** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Liquid

**Additional notes** Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances.  
It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

## Preparation and Storage

---

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Preservative: 0.34% Imidazole

Constituents: 0.2% 4-Nonylphenol, branched, ethoxylated, 0.79% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## General Info

---

**Function** Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosylation) 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.

**Tissue specificity** Widely expressed, mainly in actively dividing tissues. The highest levels are in the brain, heart, pancreas, skeletal muscle and testis; also detected in kidney, liver, lung, placenta, ovary and spleen; levels are low in leukocytes, colon, small intestine, prostate and thymus.

**Sequence similarities** Contains 1 PARP alpha-helical domain.  
Contains 1 PARP catalytic domain.

**Post-translational modifications** Poly-ADP-ribosylated by PARP1.

**Cellular localization** Nucleus.

---

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors