

# Recombinant Human PARP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PARP3-2607H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PARP3 MS Standard C13 and N15-labeled recombinant protein (NP_005476) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The protein encoded by this gene belongs to the PARP family. These enzymes modify nuclear proteins by poly-ADP-ribosylation, which is required for DNA repair, regulation of apoptosis, and maintenance of genomic stability. This gene encodes the poly(ADP-ribosyl)transferase 3, which is preferentially localized to the daughter centriole throughout the cell cycle. Alternatively spliced transcript variants encoding different isoforms have been identified. |
| <b>Molecular Mass</b>   | 60.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAPKPKPWVQTEGPEKKKGRQAGREEDPFRSTAEALKAIPA EKRIIRVDPTCPLSSN<br>PGTQVYEDYNCTLNQTNIE NNNNKFYIIQLQDSNRFFTCWNRWGRVGEVGQSKIN<br>HFTRLEDAKKDFEKKFREKTKNNWAERDHFVSHPGKYTLIEVQAEDEAQEAVVKVD<br>RGPVRTVTKRVPQCSLDPATQKLITNIFSKEMFKNTMALMDLDVKKMPLGKLSKQQI<br>ARGFEALEALEEALKGPTDGGQSLEELSSHFYTVIPHNFGHSQPPPINSPELLQAKK<br>DMLLVLADIELAQALQAVSEQEKTVEEVPHPLDRDYQLLKCQLQLLDSGAPEYKVIQ<br>TYLEQTGSNHRCP TLQHIWKVNQEGEEDRFQAHSKLGNRKLLWHGTNMAVVAAILT                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SGLRIMPHSGGRVKGKIYFASENSKSAGYVIGMKCGAHHVGYMFLGEVALGREHHI  
NTDNPSLKSPPPGFDSVIARGHTEPDPTQDTELELDGQQVVPQGGQPVPCPEFSSS  
TFSQSEYLIYQESQCRLRYLLEVHLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PARP3 poly(ADP-ribose) polymerase family member 3 [ Homo sapiens (human) ]

**Official Symbol** PARP3

**Synonyms** PARP3; poly (ADP-ribose) polymerase family, member 3; ADP ribosyltransferase (NAD<sup>+</sup>; poly (ADP ribose) polymerase) like 3, ADPRTL3; poly [ADP-ribose] polymerase 3; ADPRT3; hPARP 3; IRT1; NAD<sup>+</sup> ADP ribosyltransferase 3; pADPRT 3; poly(ADP ribose) polymerase 3; poly(ADP ribose) synthetase 3; ADPRT-3; poly[ADP-ribose] synthase 3; NAD<sup>+</sup> ADP-ribosyltransferase 3; poly(ADP-ribose) synthetase-3; poly[ADP-ribose] synthetase 3; NAD(+) ADP-ribosyltransferase 3; ADP-ribosyltransferase (NAD<sup>+</sup>; poly (ADP-ribose) polymerase)-like 2; poly (ADP-ribose) polymerase)-like 3; ADPRTL2; ADPRTL3; PADPRT-3;

**Gene ID** 10039

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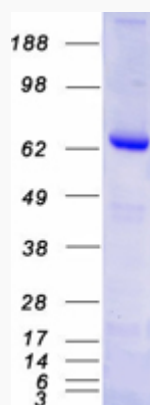
**mRNA Refseq** [NM\\_005485](#)

**Protein Refseq** [NP\\_005476](#)

**MIM** [607726](#)

**UniProt ID** [Q9Y6F1](#)

**SDS-PAGE**



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