

Full-Length

PARP2 (Human) Recombinant Protein (P01)

Catalog # H00010038-P01

Size 50 ug

Specification

Product Description	Human PARP2 full-length ORF (BAA92017.1, 1 a.a. - 531 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAARRRRSTGGGRARALNESKRVNNGNTAPEDSSPAKKTRRCQRQESKKMPVAGGKANKDRT EDKQDGMPGRSWASKRVSESVKALLLKGPVDPECTAKVGKAHVYCEGNDVYDVMLNQTNL QFNNNKYYLIQLLEDDAQRNFSVWMRWGRVKGKMGQHSVLVACSGNLNKAKEIFQKKFLDKTKNN WEVREKFEKVPKGYDMLQMDYATNTQDEEETKKEESLKSPKPESQLDLRVQELIKLICNVQAM EEMMMEMKYNTKKAPLGKLTVAQIKAGYQSLKKIEDCIRAGQHGRALMEACNEFYTRIPHDFGLRT PPLIRTQKELSEKIQLEALGDIEIAIKLVKTELQSPEHPLDQHYRNLHCAIRPLDHESYEFKVISQYL QSTHAPTHSDYTMILLDLFEVEKDGEKEAFREDLHNRMLLWHGSRMSNWVGILSHGLRIAPPEA PITGYMFGKGIYFADMSSKSANYCFASRLKHTGLLLLSEVALGQCNELLEANPKAEGLLQGKHSTK GLGKMAPSSAHFVTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	84.81
Interspecies Antigen Sequence	Mouse (82); Rat (82)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PARP2

Entrez GeneID [10038](#)

GeneBank Accession# [AK001980.1](#)

Protein Accession# [BAA92017.1](#)

Gene Name PARP2

Gene Alias ADPRT2, ADPRTL2, ADPRTL3, PARP-2, pADPRT-2

Gene Description poly (ADP-ribose) polymerase 2

Omim ID [607725](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq]

Other Designations ADP-ribosyltransferase (NAD⁺; poly(ADP-ribose) polymerase)-like 2|poly (ADP-ribose) polymerase family, member 2|poly (ADP-ribosyl) transferase-like 2|poly(ADP-ribose) synthetase

Pathway

- [Base excision repair](#)

Disease

- [Azoospermia](#)

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)