

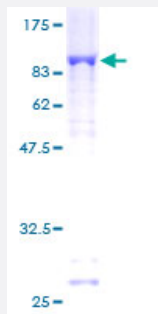
Full-Length

PARP3 (Human) Recombinant Protein (P01)

Catalog # H00010039-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PARP3 full-length ORF (AAH14260, 1 a.a. - 533 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPKPKPWVQTEGPEKKKGRQAGREEDPFRSTAEALKAIPA EKRIIRVDPTCPLSSNPGTQVYE
DYNCTLNQTNIENNNNKFYIQLLQDSNRFFTCWNRWGRVGEVGGQSKINHTRLEDAKKDFEKKFR
EKTKNWAERDHFVSHPGKYTLIEVQAEDAEAVVKVDRGPVRTVTKRVQPCSLDPATQKLIT
NFSKEMFKNTMALMDLDVKKMPLGKLSKQIARGFEALEALEEALKGPTDGGQSLEELSSHFYT
VIPHNFGHSQPPPINSPELLQAKKDMLLVLADIELAQALQAVSEQEKTVEEVPHPLDRDYQLLKCCQ
LQLLDSGAPEYKVIQTYLEQTGSNHRCP TLQHWKVNQEGEEDRFQAHSKLGNRKLLWHGTNMA
VVAAILTSLRIMPHSGGRVKGIGYFASENSKSAGYVIGMKCGAHHVGYMFLGEVALGREHHINTD
NPSLKSPPPGFDSVIARGHTEPDPTQDTELELDGQQVVVPQGGQPVPCPEFSSSTFSQSEYLIYQE
SQCLRLRYLLEVHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.37

Interspecies Antigen Sequence

Mouse (80); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — PARP3

Entrez GeneID [10039](#)

GeneBank Accession# [BC014260](#)

Protein Accession# [AAH14260](#)

Gene Name PARP3

Gene Alias ADPRT3, ADPRTL2, ADPRTL3, IRT1, hPARP-3, pADPRT-3

Gene Description poly (ADP-ribose) polymerase family, member 3

Omim ID [607726](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations ADP-ribosyltransferase (NAD⁺; poly (ADP-ribose) polymerase)-like 2|ADP-ribosyltransferase (NAD⁺; poly (ADP-ribose) polymerase)-like 3|NAD⁺ ADP-ribosyltransferase 3|poly(ADP-ribose) polymerase 3|poly(ADP-ribose) synthetase-3

Pathway

- [Base excision repair](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Urinary Bladder Neoplasms](#)