Recombinant Human PARP3, GST-tagged

Cat. No. PARP3-27634TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PARP3 with N terminal GST-tag expressed in a Baculovirus infected Sf9 cell expression system, 87 kDa.
Species	Human
Description	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.
Conjugation	GST
Tissue specificity	Widely expressed; the highest levels are in the kidney, skeletal muscle, liver, heart and spleen; also detected in pancreas, lung, placenta, brain, leukocytes, colon, small intestine, ovary, testis, prostate and thymus.
Biological activity	Specific Activity: 207.5 U/mg.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 1 PARP alpha-helical domain.Contains 1 PARP catalytic domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	PARP3 poly (ADP-ribose) polymerase family, member 3 [Homo sapiens]
Official Symbol	PARP3
Synonyms	PARP3; poly (ADP-ribose) polymerase family, member 3; ADP ribosyltransferase (NAD+; poly (ADP ribose) polymerase) like 3 , ADPRTL3; poly [ADP-ribose] polymerase 3; ADPRT3; hPARP 3; IRT1; NAD+ ADP ribosyltransferase 3; pADPRT 3; poly(ADP ribose) polymerase
Gene ID	10039
mRNA Refseq	NM_001003931
Protein Refseq	NP_001003931
MIM	607726
Uniprot ID	Q9Y6F1
Chromosome Location	3p22.2-p21.1
Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;
Function	NAD+ ADP-ribosyltransferase activity; catalytic activity; transferase activity, transferring glycosyl groups;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA