

Product datasheet for **AR09368PU-N**

PARP1 (662-1014) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PARP1 (662-1014) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MKSKLPKPVQ DLIKMFVDVE SMKKAMVEYE IDLQKMPLGK LSKRQIQAAAY SILSEVQQAV SQGSSDSQIL DLSNRFYTLI PHDFGMKKPP LLNNADSVQA KAEMLDNLLD IEVAYSLLRG GSDDSSKDPI DVNYEKLKTD IKVDRDSEE AEIRKYVKN THATTHNAYD LEVIDIFKIE REGECQRYKP FKQLHNRRLI WHGSRRTNFA GILSQGLRIA PPEAPVTGYM FGKGIYFADM VSKSANYCHT SQGDPIGLIL LGEVALGNMY ELKHASHISK LPKGKHSVKG LGKTTDPDSA NISLDGVDVP LGTGISSGVN DTSLLYNEYI VYDIAQVNLK YLLKLFNFK TSLW
Predicted MW:	39.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant PARP1 protein was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001609
Locus ID:	142
UniProt ID:	P09874 , A0A024R3T8
Cytogenetics:	1q42.12
Synonyms:	ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL



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Summary:

This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

Base excision repair

Product images: