

#### OriGene Technologies, Inc.

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# Product datasheet for TP710053

### PARP1 (NM\_001618) Human Recombinant Protein

### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human poly (ADP-ribose) polymerase 1 (PARP1),full length, with C- terminal flag tag,expressed in sf9 cells
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC207085, encoding human full-length PARP1
Tag:	C-DDK
Predicted MW:	113 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 001609</u>
Locus ID:	142
UniProt ID:	<u>P09874, A0A024R3T8</u>
RefSeq Size:	3859
Cytogenetics:	1q42.12
RefSeq ORF:	3042
Synonyms:	ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL



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	PARP1 (NM_001618) Human Recombinant Protein – TP710053
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 Protein Pathwa	<ul> <li>Druggable Genome, Stem cell - Pluripotency, Transcription Factors</li> <li>gs: Base excision repair</li> </ul>

# Product images:



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