

## Product datasheet for TP302846

### PARP16 (NM\_017851) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human poly (ADP-ribose) polymerase family, member 16 (PARP16), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202846 protein sequence Red=Cloning site Green=Tags(s)

MQPSGWAAAREAAGRDMLAADLRCSLFASALQSYKRDSVLRPFPPASYARGDCKDFEALLADASKLPNLKE  
LLQSSGDNHKRAWDLVSWILSSKVLTIHSAGKAEFEKIQLTGAPHTVPAPDFLFEIEYFDPANAKFYE  
TKGERDLIYAFHGSRLNFHSIIHNLHCHLNKTSLFGEGTYLTSDSLALIYSPHGHGWQHSLLGPILS  
CVAVCEVIDHPDVKQCQTKKKDSKEIDRRRARIKHSEGGDIPPKYFVVTNNQLLRVKYLLVYSQKPPKSRA  
SSQLSWFSSHWFVVMISLYLLLLLIVSVINSSAFQHFWNRAKR

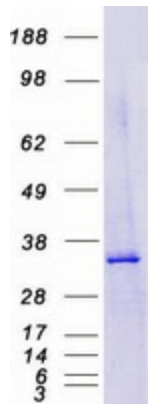
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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:	<a href="#">NP_060321</a>
Locus ID:	54956



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UniProt ID:	<a href="#">Q8N5Y8</a>
RefSeq Size:	2551
Cytogenetics:	15q22.31
RefSeq ORF:	969
Synonyms:	ARTD15; C15orf30; pART15
Summary:	Intracellular mono-ADP-ribosyltransferase that may play a role in different processes through the mono-ADP-ribosylation of proteins involved in those processes (PubMed:23103912, PubMed:22701565, PubMed:25043379). May play a role in the unfolded protein response (UPR), by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors (PubMed:23103912). May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor (PubMed:22701565). May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases (PubMed:22701565). [UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane

**Product images:**

Coomassie blue staining of purified PARP16 protein (Cat# TP302846). The protein was produced from HEK293T cells transfected with PARP16 cDNA clone (Cat# [RC202846]) using MegaTran 2.0 (Cat# [TT210002]).