

Datasheet for ABIN7554854

## PARP16 Protein (AA 1-322) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	PARP16
Protein Characteristics:	AA 1-322
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARP16 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PARP16 Protein expressed in mammalian cells.
Sequence:	<p>MQPSGWAAAR EAAGRDMLAA DLRCSLFASA LQSYKRDSVL RPFASYARG DCKDFEALLA</p> <p>DASKLPNLKE LLQSSGDNHK RAWDLVSWIL SSKVLTIHSA GKAEFEKIQK LTGAPHTPVP</p> <p>APDFLFEIEY FDPANAKFYE TKGERDLIYA FHGSRLNFH SIIHNGLHCH LNKTSLFEGEG</p> <p>TYLTSDLSLA LIYSPHGHGW QHSLLGPILS CVAVCEVIDH PDVKCQTKKK DSKEIDRRRA</p> <p>RIKHSEGGDI PPKYFVVTNN QLLRVKYLIV YSQKPPKRAS SQLSWFSSHW FTMISLYLL</p> <p>LLLIVSVINS SAFQHFWNRA KR <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	PARP16
Alternative Name:	PARP16 ( <a href="#">PARP16 Products</a> )
Background:	<p>Protein mono-ADP-ribosyltransferase PARP16 (EC 2.4.2.-) (ADP-ribosyltransferase diphtheria toxin-like 15) (Poly [ADP-ribose] polymerase 16) (PARP-16),FUNCTION: Intracellular mono-ADP-ribosyltransferase that plays a role in different processes, such as protein translation and unfolded protein response (UPR), through the mono-ADP-ribosylation of proteins involved in those processes (PubMed:22701565, PubMed:23103912, PubMed:25043379, PubMed:34314702). Acts as an inhibitor of protein translation by catalyzing mono-ADP-ribosylation of ribosomal subunits, such as RPL14 and RPS6, thereby inhibiting polysome assembly and mRNA loading (PubMed:34314702). Mono-ADP-ribosylation of ribosomal subunits is promoted by NMNAT2 (PubMed:34314702). Involved 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).</p> <p>{ECO:0000269 PubMed:22701565, ECO:0000269 PubMed:23103912,</p>

## Target Details

	ECO:0000269 PubMed:25043379, ECO:0000269 PubMed:34314702}.
Molecular Weight:	36.4 kDa
UniProt:	<a href="#">Q8N5Y8</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months