

Datasheet for ABIN7558214

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



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PARP16
Protein Characteristics:	AA 1-322
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARP16 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Parp16 Protein expressed in mammalian cells.
Sequence:	<p> MQLSNRAAAR EAASRDVLAA DLRCSLFASA LQSYKRDSVL RPFASYARH DCKDFEALLA DTGRLPNLKE LLQSSRDYDK QAWDLVSWIL SSKILTIHSA KKAEFEKIQQ LTGAPHTPVP TPDFLFEIEY FDPANSRFYE TKGERDLIYA FHGSRLNFH SIIHNGLHCH LNKTSLFEGEG TYLTSDLSLA LIYSPHGHGW QHSLLGPILS CVAVCEVIDH PDVKCQIKKK DSKEIDRSRA RIKHSEGGEI PPKYFVVTNN QLLRVKYLIV YSQKQPKRAS SQLSWLSSHW FVIMMSLYLL LLLIVSVTNS SVFHHFWNRV KR </p> <p>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.</p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
------------------	---

Product Details

- 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, Western Blot
Grade:	custom-made

Target Details

Target:	PARP16
Alternative Name:	Parp16 (PARP16 Products)
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. 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. Mono-ADP-ribosylation of ribosomal subunits is promoted by NMNAT2. Involved in the unfolded protein response (UPR) by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors. May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor. May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases.</p> <p>{ECO:0000250 UniProtKB:Q8N5Y8}.</p>
Molecular Weight:	36.8 kDa
UniProt:	Q7TMM8

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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