

Datasheet for ABIN3094416 PARP10 Protein (AA 1-1025) (Strep Tag)



Overview

Quantity:	250 µg
Target:	PARP10
Protein Characteristics:	AA 1-1025
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARP10 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MVAMAEAEAG VAVEVRGLPP AVPDELLTLY FENRRRSGGG PVLSWQRLGC GGVLTFREPA
	DAERVLAQAD HELHGAQLSL RPAPPRAPAR LLLQGLPPGT TPQRLEQHVQ ALLRASGLPV
	QPCCALASPR PDRALVQLPK PLSEADVRVL EEQAQNLGLE GTLVSLARVP QARAVRVVGD
	GASVDLLLLE LYLENERRSG GGPLEDLQRL PGPLGTVASF QQWQVAERVL QQEHRLQGSE
	LSLVPHYDIL EPEELAENTS GGDHPSTQGP RATKHALLRT GGLVTALQGA GTVTMGSGEE
	PGQSGASLRT GPMVQGRGIM TTGSGQEPGQ SGTSLRTGPM GSLGQAEQVS SMPMGSLEHE
	GLVSLRPVGL QEQEGPMSLG PVGSAGPVET SKGLLGQEGL VEIAMDSPEQ EGLVGPMEIT
	MGSLEKAGPV SPGCVKLAGQ EGLVEMVLLM EPGAMRFLQL YHEDLLAGLG DVALLPLEGP
	DMTGFRLCGA QASCQAAEEF LRSLLGSISC HVLCLEHPGS ARFLLGPEGQ HLLQGLEAQF
	QCVFGTERLA TATLDTGLEE VDPTEALPVL PGNAHTLWTP DSTGGDQEDV SLEEVRELLA
	TLEGLDLDGE DWLPRELEEE GPQEQPEEEV TPGHEEEEPV APSTVAPRWL EEEAALQLAL

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3094416 | 02/25/2025 | Copyright antibodies-online. All rights reserved. HRSLEPQGQV AEQEEAAALR QALTLSLLEQ PPLEAEEPPD GGTDGKAQLV VHSAFEQDVE ELDRALRAAL EVHVQEETVG PWRRTLPAEL RARLERCHGV SVALRGDCTI LRGFGAHPAR AARHLVALLA GPWDQSLAFP LAASGPTLAG QTLKGPWNNL ERLAENTGEF QEVVRAFYDT LDAARSSIRV VRVERVSHPL LQQQYELYRE RLLQRCERRP VEQVLYHGTT APAVPDICAH GFNRSFCGRN ATVYGKGVYF ARRASLSVQD RYSPPNADGH KAVFVARVLT GDYGQGRRGL RAPPLRGPGH VLLRYDSAVD CICQPSIFVI FHDTQALPTH LITCEHVPRA SPDDPSGLPG RSPDT Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany from design to production by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for
 protein production are removed, leaving only the protein production machinery and the
 mitochondria to drive the reaction. During our lysate completion steps, the additional
 components needed for protein production (amino acids, cofactors, etc.) are added to
 produce something that functions like a cell, but without the constraints of a living system all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN3094416 | 02/25/2025 | Copyright antibodies-online. All rights reserved. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	PARP10
Alternative Name:	PARP10 (PARP10 Products)
Background:	Protein mono-ADP-ribosyltransferase PARP10 (EC 2.4.2) (ADP-ribosyltransferase diphtheria toxin-like 10) (ARTD10) (Poly [ADP-ribose] polymerase 10) (PARP-10),FUNCTION: ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate and aspartate residues on target proteins (PubMed:18851833, PubMed:23332125, PubMed:23474714, PubMed:25043379). In contrast to PARP1 and PARP2, it is not able to mediate poly-ADP-ribosylation (PubMed:18851833). Catalyzes mono-ADP-ribosylation of GSK3B, leading to negatively regulate GSK3B kinase activity (PubMed:23332125). Involved in translesion DNA synthesis in response to DNA damage via its interaction with PCNA (PubMed:24695737). {ECO:0000269 PubMed:18851833, ECO:0000269 PubMed:23332125, ECO:0000269 PubMed:23474714, ECO:0000269 PubMed:24695737,
	ECO:0000269 PubMed:25043379}.
Molecular Weight:	110.0 kDa
UniProt:	Q53GL7
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.
Comment:	ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

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Application Details

During lysate production, the cell wall and other cellular components that are not required for
protein production are removed, leaving only the protein production machinery and the
mitochondria to drive the reaction. During our lysate completion steps, the additional
components needed for protein production (amino acids, cofactors, etc.) are added to produce
something that functions like a cell, but without the constraints of a living system - all that's
needed is the DNA that codes for the desired protein!

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months