Datasheet for ABIN7554883

PARP10 Protein (AA 1-1025) (His tag)

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Overview

Quantity:	1 mg
Target:	PARP10
Protein Characteristics:	AA 1-1025
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARP10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PARP10 Protein expressed in mammalian cells.
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 HRSLEPQGQV AEQEEAAALR QALTLSLLEQ PPLEAEEPPD GGTDGKAQLV VHSAFEQDVE

Product Details

	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 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.**
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: • 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

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

Target Details

	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:	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