Datasheet for ABIN7564919

PARD3 Protein (AA 1-1333) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	PARD3
Protein Characteristics:	AA 1-1333
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARD3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pard3 Protein expressed in mammalien cells.
Sequence:	MKVTVCFGRT RVVVPCGDGR MKVFSLIQQA VTRYRKAVAK DPNYWIQVHR LEHGDGGILD LDDILCDVAD DKDRLVAVFD EQDPHHGGDG TSASFTGTQS PEIFGSELGT NNVSAFQPYQ ATSEIEVTPS VLRANMPLHV RRSSDPALTG LSTSVSDNNF SSEEPSRKNP TRWSTTAGFL KQNTAGSPKT CDRKKDENYR SLPRDPSSWS NQFQRDNARS SLSASHPMVD RWLEKQEQDE EGTEEDSSRV EPVGHADTGL ENMPNFSLDD MVKLVQVPND GGPLGIHVVP FSARGGRTLG LLVKRLEKGG KAEQENLFHE NDCIVRINDG DLRNRRFEQA QHMFRQAMRA RVIWFHVVPA ANKEQYEQLS QREKNNYSPG RFSPDSHCVA NRSVANNAPQ ALPRAPRLSQ PPEQLDAHPR LPHSAHASTK PPAAPALAPP SVLSTNVGSV YNTKKVGKRL NIQLKKGTEG LGFSITSRDV TIGGSAPIYV KNILPRGAAI QDGRLKAGDR LIEVNGVDLA GKSQEEVVSL LRSTKMEGTV SLLVFRQEEA FHPREMNAEP SQMQTPKETK AEDEDVVLTP DGTREFLTFE VPLNDSGSAG LGVSVKGNRS KENHADLGIF VKSIINGGAA SKDGRLRVND QLIAVNGESL LGKANQEAME

Product Details

	TLRRSMSTEG NKRGMIQLIV ARRISRCNEL RSPGSPAAPE LPIETELDDR ERRISHSLYS GIEGLDESPT RNAALSRIMG KCQLSPTVNM PHDDTVMIED DRLPVLPPHL SDQSSSSSHD DVGFIMTEAG TWAKATISDS ADCSLSPDVD PVLAFQREGF GRQSMSEKRT KQFSDASQLD FVKTRKSKSM DLVADETKLN TVDDQRAGSP SRDVGPSLGL KKSSSLESLQ TAVAEVTLNG NIPFHRPRPR IIRGRGCNES FRAAIDKSYD KPMVDDDDEG METLEEDTEE SSRSGRESVS TSSDQPSYSL ERQMNGDPEK RDKTERKKDK AGKDKKKDRE KEKDKLKAKK GMLKGLGDMF RFGKHRKDDK MEKMGRIKIQ DSFTSEEDRV RMKEEQERIQ AKTREFRERQ ARERDYAEIQ DFHRTFGCDD ELLYGGMSSY EGCLALNARP QSPREGHLMD TLYAQVKKPR SSKPGDSNRS TPSNHDRIQR LRQEFQQAKQ DEDVEDRRRT YSFEQSWSSS RPASQSGRHS VSVEVQVQRQ RQEERESFQQ AQRQYSSLPR QSRKNASSIS QDSWEQNYAP GEGFQSAKEN PRYSSYQGSR NGYLGGHGFN ARVMLETQEL LRQEQRRKEQ QLKKQPPADG VRGPFRQDVP PSPSQVARLN RLQTPEKGRP FYS **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	PARD3

Target Details

Alternative Name:	Pard3 (PARD3 Products)
Background:	Partitioning defective 3 homolog (PAR-3) (PARD-3) (Atypical PKC isotype-specific-interacting protein) (ASIP) (Ephrin-interacting protein) (PHIP),FUNCTION: Adapter protein involved in asymmetrical cell division and cell polarization processes (By similarity). Seems to play a central role in the formation of epithelial tight junctions (By similarity). Targets the phosphatase PTEN to cell junctions (By similarity). Association with PARD6B may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly (PubMed:11839275). The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (By similarity). Required for establishment of neuronal polarity and normal axon formation in cultured hippocampal neurons (By similarity). Involved in Schwann cell peripheral myelination (PubMed:21949390). {ECO:0000250|UniProtKB:Q8TEW0, ECO:0000250|UniProtKB:Q9Z340, ECO:0000269|PubMed:11839275, ECO:0000269|PubMed:21949390}.
Molecular Weight:	149.1 kDa
UniProt:	Q99NH2
Pathways:	Cell-Cell Junction Organization

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