

Datasheet for ABIN7554855
PARD3 Protein (AA 1-1356) (His tag)



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Overview

Quantity:	1 mg
Target:	PARD3
Protein Characteristics:	AA 1-1356
Origin:	Human
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 mammalian cells.
Sequence:	MKVTVCFGRT RVVVPCGDGH MKVFSLIQQA VTRYRKAIAK DPNYWIQVHR LEHGDGGILD LDDILCDVAD DKDRLVAVFD EQDPHHGGDG TSASSTGTQS PEIFGSELGT NNVSAFQPYQ ATSEIEVTPS VLRANMPLHV RRSSDPALIG LSTSVSDSNF SSEEPSRKNP TRWSTTAGFL KQNTAGSPKT CDRKKDENYR SLPRDTSNWS NQFQRDNARS SLSASHPMVG KWLEKQEQDE DGTEEDNSRV EPVGHADTGL EHIPNFSLDD MVKLVEVPND GGPLGIHVVP FSARGGRTL LLVKRLEKGG KAEHENLFRE NDCIVRINDG DLRNRRFEQA QHMFRQAMRT PIIWFHVVPA ANKEQYEQLS QSEKNNYSS RFSPDSQYID NRSVNSAGLH TVQRAPRLNH PPEQIDSHSR LPHSAHPSGK PPSAPASAPQ NVFSTTVSSG YNTKKIGKRL NIQLKKGTEG LGFSITSRDV TIGGSAPIYV KNILPRGAAI QDGRKAGDR LIEVNGVDLV GKSQEEVVS L RSTKMEGTV SLLVFRQEDA FHPRELNAEP SQMQIPKETK AEDEDIVLTP DGTREFLTFE VPLNDSGSAG LGVSVKGNRS KENHADLGIF VKSIINGGAA SKDGRLRVND QLIAVNGESL LGKTNQDAME

TLRRSMSTEG NKRGMQLIV ARRISKCNEL KSPGSPGPE LPIETALDDR ERRISHSLYS
GIEGLDESPTS RNAALSRLMG ESGKYQLSPT VNMPQDDTVI IEDDRLPVLP PHLSDQSSSS
SHDDVGFVTA DAGTWAKAAI SDSADCSLSP DVDPVLAFQR EGFGRQSMSE KRTKQFSDAS
QLDFVKTRKS KSMDLGIADK TKLNTVDDQK AGSPSRDVGK SLGLKKSSSL ESLQTAVAEV
TLNGDIPFHR PRPRIIRGRG CNESFRAAID KSYDKPAVDD DDEGMETLEE DTEESSRSGR
ESVSTASDQP SHSLERQMNG NQEKGDKTDR KDKKTGKEKK KDRDKEKDKM KAKKGMLKGL
GDMFRFGKHR KDDKIEKTGK IKIQESFTSE EERIRMKQEQ ERIQAKTREF RERQARERDY
AEIQDFHRTF GCDELMEYGG VSSYEGSMAL NARPQSPREG HMMDALYAQV KKPRNSKPSK
VDSNRSTPSN HDRIQLRQE FQQAQDEDV EDRRRTYSFE QPWPNARPAT QSGRHSVSVE
VQMQRQRQEE RESSQQAQRQ YSSLPRQSRK NASSVSQDSW EQNYSPGEGF QSAKENPRYS
SYQGSRNLYL GGHGFNARVM LETQELLRQE QRRKEQQMKK QPPSEGPSNY DSYKKVQDPS
YAPKGPFRQ DVPPSPQVA RLNRLQTPEK GRPFYS **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 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: PARD3

Target Details

Alternative Name: [PARD3 \(PARD3 Products\)](#)

Background: Partitioning defective 3 homolog (PAR-3) (PARD-3) (Atypical PKC isotype-specific-interacting protein) (ASIP) (CTCL tumor antigen se2-5) (PAR3-alpha),FUNCTION: Adapter protein involved in asymmetrical cell division and cell polarization processes (PubMed:27925688, PubMed:10954424). Seems to play a central role in the formation of epithelial tight junctions (PubMed:27925688). Targets the phosphatase PTEN to cell junctions (By similarity). Involved in Schwann cell peripheral myelination (By similarity). Association with PARD6B may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly (By similarity). The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (PubMed:10934474). Required for establishment of neuronal polarity and normal axon formation in cultured hippocampal neurons (PubMed:19812038, PubMed:27925688). {ECO:0000250|UniProtKB:Q99NH2, ECO:0000250|UniProtKB:Q9Z340, ECO:0000269|PubMed:10934474, ECO:0000269|PubMed:10954424, ECO:0000269|PubMed:19812038, ECO:0000269|PubMed:27925688}.

Molecular Weight: 151.4 kDa

UniProt: [Q8TEW0](#)

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