

Datasheet for ABIN7550444

PARD6A Protein (AA 1-346) (His tag)



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Overview

Quantity:	1 mg
Target:	PARD6A
Protein Characteristics:	AA 1-346
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARD6A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PARD6A Protein expressed in mammalian cells.
Sequence:	<p>MARPQRTPAR SPDSIVEVKS KFDAEFRRFA LPRASVSGFQ EFSRLLRAVH QIPGLDVLLG YTDAGDLLP LTNDDSLHRA LASGPPPLRL LVQKRAEADS SGLAFASNSL QRRKKGLLLR PVAPLRTRPP LLISLPQDFR QVSSVIDVDL LPETHRRVRL HKHGS DRPLG FYIRDGMSVR VAPQGLERVP GIFISRLVRG GLAESTGLLA VSDEILEVNG IEVAGKTL DQ VTDMMVANS H NLIVTVKPAN QRNNVVRGAS GRLTGPPSAG PGPAEPDSD DSSDLVIENR QPPSSNGLSQ GPPCWDLHPG CRHPGTRSSL PSLDDQEQAS SGWGSRI RGD GSGFSL Sequence without tag.</p> <p>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:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	PARD6A
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Alternative Name:	PARD6A (PARD6A Products)
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Background:	Partitioning defective 6 homolog alpha (PAR-6) (PAR-6 alpha) (PAR-6A) (PAR6C) (Tax interaction protein 40) (TIP-40),FUNCTION: Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in the formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (PubMed:10873802). Regulates centrosome organization and function. Essential for the centrosomal recruitment of key proteins that control centrosomal microtubule organization (PubMed:20719959). {ECO:0000269 PubMed:10873802, ECO:0000269 PubMed:20719959}.
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Molecular Weight:	37.4 kDa
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UniProt:	Q9NPB6
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Pathways:	Cell-Cell Junction Organization
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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.
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Restrictions:	For Research Use only
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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