

Datasheet for ABIN3137035

## PARD3B Protein (AA 1-1203) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	PARD3B
Protein Characteristics:	AA 1-1203
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARD3B protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MKVTVCFGRT GIVVPCKDGQ LRVRELTQQA LQRYLKTRDQ DPGYWVKIHH LEYTDGGILD</p> <p>PDDVLADVVE DKDKLIAVFD EQEPLQKTES PGGNPADRQS PDAFETEVAA QLAAFKPVGG</p> <p>EIVVTPSALK LGTPLLVRRS SDPAPGPHAD AQPSTASLSG QSLKPVVLD S TQNVENKEAM</p> <p>NGEQAGLLSL HRPKDELSDM TRAVEISGEG DPLGIHVVPF FSSLSGRILG LFIRGIEENS</p> <p>RCKQEGFLQE NECIVKINNV ELLDKTFAQA QDVFRQAMKS PSVILHVLLP QNREQYEKSV</p> <p>IGPLNIFGNN DGASRTKAAP PARGKPGLKA VHLTRASSPE GEEPASPQQS KSPRVPRLGR</p> <p>KPSSPSLSPL MGFGSKKNAK KIKIDLKKG P EGLGFTVVTR DSSIHGPGPI FVKNILPKGA</p> <p>AVKDGRLQSG DRILEVNGRD VTGRTQEELV AMLRSTKQGE TVSLVIARQE GSFLPRELKG</p> <p>EPDCYALSLE SSEQLTLEIP LNDSGSAGLG VSLKGNKSRE TGTDLGIFIK SIHGGA AFK</p> <p>DGRLRMNDQL IAVNGETLLG KSNHEAMETL RRSMSMEGNI RGM IQLVILR RPERPLEELS</p> <p>ECGALSRPGF ENCQEALSTS RRNDSSILYP FGTYS PQDKR KDLLPSDGW AENEVPPSP</p>

PHPALEWGLE DFSHSSGVDS TGYFPDQHVN FRTVTPVRQP ELINLKASKS MDLVPDEGKV  
QSLADRRSDS PGKDFGPTLG LKKSSSLESL QTAVAEVRKN DLPFHRPRPH MVRGRGCNES  
FRAAIDKSYD GPEEADADGL SDKSSRSHT ALNCESAPQG NPELDNVENK AKNIKKTKEK  
EKKGKGGKLG VKEKKLKEEH EDAERKMKRK GFGAMLRFGK KKDDKVGKAE QKGAQKSGHP  
EEEEERMKE ERERIGAKHQ ELREKQARGL VDYATAVTGP VHDMDDEMD PNYARVNHFR  
EPCASNVFR SPSPLRAGPL AYPRDGRPLS PDHLEGLYAK VNKPYHPPAL ADSGRPMAGT  
TDRIQKLKKE YYQARREGFL LYEDENTRAR PSDHDLRWVS GKGPDGSTHN LRFEGMERQY  
ASLPRGGSAD PVDYLTASPR GRYNDRELPHY YPGPHPVHAP RGSYPRPPDL RATDLRYPQY  
YPPPPAHQHK GPFRQDVPPS PPQHQRVPVY QEMGRAGPRG SSPDQYPYRN QDPRQKNPMT  
AAV

**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.**

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### 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!

## Product Details

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.
- 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:	PARD3B
Alternative Name:	Pard3b ( <a href="#">PARD3B Products</a> )
Background:	Partitioning defective 3 homolog B (Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 19 protein homolog) (PAR3-beta) (Partitioning defective 3-like protein) (PAR3-L protein),FUNCTION: Putative adapter protein involved in asymmetrical cell division and cell polarization processes. May play a role in the formation of epithelial tight junctions (By similarity). {ECO:0000250}.
Molecular Weight:	132.8 kDa
UniProt:	<a href="#">Q9CSB4</a>

## 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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

Application Details

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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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months