

Datasheet for ABIN3094575

## PHLDB1 Protein (AA 1-1377) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	PHLDB1
Protein Characteristics:	AA 1-1377
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHLDB1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MDALNRNQIG PGCQTQTMVQ KGPLDLIETG KGLKVQTDKP HLVSLSGSGRL STAITLLPLE</p> <p>EGRTVIGSAA RDISLQGPGL APEHCYIENL RGTLTLYPCG NACTIDGLPV RQPTRLTQGC</p> <p>MLCLGQSTFL RFNHPAEAKW MKSMIPAGGR APGPPYSPVP AESESLVNGN HTPQTATRGP</p> <p>SACASHSSLV SSIEKDLQEI MDSLVLEEPG AAGKKPAATS PLSPMANGGR YLLSPPTSPG</p> <p>AMSVGSSYEN TSPAFSPLSS PASSGSCASH SPSGQEPGPS VPPLVPARSS SYHLALQPPQ</p> <p>SRPSGARSES PRLSRKGGHE RPPSPGLRGL LTDSPAATVL AEARRATESP RLGGQLPVVA</p> <p>ISLSEYPASG ALSQPTSIPG SPKFQPPVPA PRNKIGTLQD RPPSPFREPP GSERVLTTS</p> <p>SRQLVGRTFS DGLATRTLQP PESRLGRRG LDSMRELPLP SPSSLRRLALS PLPTRTTDP</p> <p>KLNREVAESP RPRRWAAHGA SPEDFSLTLG ARGRRTRSPS PTLGESLAPH KGSFSGRLSP</p> <p>AYSLGSLTGA SPCQSPCVQR KLSSGDLRVP VTRERKNSIT EISDNEDDLL EYHRRQRQER</p> <p>LREQEMERLE RQRLETILNL CAEYSRADGG PEAGELPSIG EATAALALAG RRPSRGLAGA</p>

SGRSSEEPGV ATQRLWESME RSDEENLKEE CSSTESTQQE HEDAPSTKLQ GEVLALAEER  
AQVLGHVEQL KVRVKELEQQ LQESAREAEM ERALLQGERE AERALLQKEQ KAVDQLQEKL  
VALETGIQKE RDKEAEALET ETKLFEDLEF QQLERESRVE EERELAGQGL LRSKAELLRS  
IAKRKERLAI LDSQAGQIRA QAVQESERLA RDKNASLQLL QKEKEKLTVL ERRYHSLTGG  
RPFPKTTSTL KEMEKL LPA VDLEQWYQEL MAGLGTGPAA ASPHSSPPPL PAKASRQLQV  
YRSKMDGEAT SPLPRTRSGP LPSSSGSSSS SSQLSVATLG RSPSPKSALL TQNGTGSLPR  
NLAATLQDIE TKRQLALQQK GQQVIEEQRR RLAELKQKAA AEAQCQWDAL HGAAPFPAGP  
SGFPPLMHHS ILHHLPA GRE RGEEGEHAYD TLSLESSDSM ETSISTGGNS ACSPDNMSSA  
SGLDMGKIEE MEKMLKEAHA EKNRLMESRE REMELRRQAL EEERRRREQV ERRLQSESAR  
RQQLVEKEVK MREKQFSQAR PLTRYLPARK EDFDLKTHIE SSGHGVDTCL HVLSSKVCR  
GYLVKMGGKI KSWKKRWVFV DRLKRTLSYY VDKHETKLKG VIYFQAIEEV YYDHLRSAAK  
KRFFRFTMVT ESPNALTFC VKTHDRLYYM VAPSAEAMRI WMDVIVTGAE GYTQFMN

**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.**

---

### 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

## Product Details

---

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!

### 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:	PHLDB1
Alternative Name:	PHLDB1 ( <a href="#">PHLDB1 Products</a> )
Background:	Pleckstrin homology-like domain family B member 1 (Protein LL5-alpha)
Molecular Weight:	151.2 kDa
UniProt:	<a href="#">Q86UU1</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 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</p>

## Application Details

---

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!

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