

Datasheet for ABIN3094631

PHLDB2 Protein (AA 1-1253) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	PHLDB2
Protein Characteristics:	AA 1-1253
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHLDB2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MEEHSYIQKE LDLQNGSLEE DSVVHSVEND SQNMME SLSP KKYSSSLRFK ANG DYSGSYL</p> <p>TLSQPVPAKR SPSPLGTSVR SSPSLAKIQG SKQFSYDGTD KNIPMKPPTP LLNTTSSLG</p> <p>YPLGRADFHD YTGRDSERAL RLSEKPPYSK YSSRHKSHDN VYSLGGLEGR KASGSLAMW</p> <p>NGSSLS DAGP PPISRGAAS MPSSPKQARK MSIQDSLALQ PKLTRHKELA SENINLRTRK</p> <p>YSSSSLSHMG AYSRSLPRLY RATENQLTPL SLPPRNSLGN SKRTKLGEKD LPHSVIDNDN</p> <p>YLNFSLS SSG ALPYKTSASE GNPYVSSTLS VPASPRVARK MLLASTSSCA SDDFDQASYV</p> <p>GTNP SHSLLA GESDRV FATR RNFSCGSVEF DEADLES LRQ ASGTPQPALR ERKSSISSIS</p> <p>GRDDLMDYHR RQREERLREQ EMERLERQRL ETILSLCAEY TKPDSRLSTG TTVEDVQKIN</p> <p>KELEKLQ LSD EESVFEEALM SPDTRYRCHR KDSL PDADLA SCGSL SQSSA SFFT PRSTRN</p> <p>DELLSDLTRT PPPPSSTFPK ASSESSYLSI LPKTPEGISE EQRSQELAAM EETRIVILNN</p> <p>LEELKQKIKD INDQMDESFR ELDMECALLD GEQKSETTEL MKEKEILDHL NRKIAELEKN</p>

IVGEKTKKVK KLDAEREKLE RLQELYSEQK TQLDNCPEM REQLQQQLKR DADLLDVESK
HFEDLEFQQL EHESRLDEEK ENLTQQLLRE VAEYQRNIVS RKEKISALKK QANHIVQQAQ
REQDHFVKEK>NNLIMMLQRE KENLCNLEKK YSSLGGKGF PVNPNTLKEG YISVNEINEP
CGNSTNLSPS TQFPADADAV ATEPATAVLA SQPQSKEHFR SLEERKKQHK EGLYLSDTLP
RKKTTSSISP HFSSATMGRS ITPKAHLPLG QSNSCGSVLP PSLAAMAKDS ESRRMLRGYN
HQQMSEGHRQ KSEFYNRTAS ESNVYLNSFH YPDHSYKDQA FDTLSLDSSD SMETSISACS
PDNISSASTS NIARIEEMER LLKQAHAEKT RLLESREREM EAKKRALEEE KRRREILEKR
LQEETSQRQK LIEKEVKIRE RQRAQARPLT RYLPVRKEDF DLRSHVETAG HNIDTCYHVS
ITEKTCRGFL IKMGGKIKTW KKRWFVFDNRN KRTFSYYADK HETKLKGVYI FQAIEEVYYD
HLKNANKSPN PLLTFSVKTH DRIYYMVAPS PEAMRIWMDV IVTGAEGYTH FLL

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 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®).
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Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
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Grade:	custom-made
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Target Details

Target:	PHLDB2
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Alternative Name:	PHLDB2 (PHLDB2 Products)
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Background:	Pleckstrin homology-like domain family B member 2 (Protein LL5-beta),FUNCTION: Seems to be involved in the assembly of the postsynaptic apparatus. May play a role in acetyl-choline receptor (AChR) aggregation in the postsynaptic membrane (By similarity). {ECO:0000250, ECO:0000269 PubMed:12376540}.
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Molecular Weight:	142.2 kDa
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UniProt:	Q86SQ0
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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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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</p>
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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 Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months