

Datasheet for ABIN3135984

## PLEKHH1 Protein (AA 1-1356) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	PLEKHH1
Protein Characteristics:	AA 1-1356
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHH1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MAEVKVEVAS IDWQKRCLSL ETQLFRFRLQ ASKIRELLAD KMQELEQRLL EAEQRAENAE</p> <p>TQVGVMEEKI KLSNLKSVDS TGTLHQKYQE LLRAVQGKDE LISQLQAQLE KQKQTRAEAA</p> <p>KIVQEKAANKI KEWVTVKLAE LEMENQQLKT CNQQLVEQVA ALQDALEDLR MTPSEELLVV</p> <p>PEGTPERDPV PSGPSDQPVE QDSNPHTQIL KVAVPTPSLG TLQSRDSLSE ARSLEDLRFS</p> <p>MVHPGETAEA KTLQSHLQKE GSPSQLCMKP GNPKHGSASY RESLVTAQGG TFPGTKTSAR</p> <p>EGGPGSSLTL PKVRAPSIPR DSFQVAKRHH SQPQVGPQGH DHVVSIEIGA LSALHSPGSS</p> <p>KSEARAKVRE EAEKMEMEAL PPSGKQEERE SLKSRRGELE DVELENKPPT PPLHRFPSWE</p> <p>SRIYAMATSG MQLSEVSSRR SNAACYASGP SALAFPGAFA GLVYKNVTVP VYTALKGKAT</p> <p>QISNVPFVDE SSGSDDDCGS QASFRMSVPC SEYRKTSGLG SPRAIKRGVS MSSLSSEGDY</p> <p>AIPPDACSLD SDYSEPEHKL QRTSSYSTDG EALEKSGYLL KMGSRVKTKW RRWFVLRQGG</p> <p>ILYYKSPSDV IRKPQGQVDL NSHCQIVREE EAQTFQLISG NKTYYLTAES PSLLEEWIRV</p>

LQSLKQVQT GPPALHQGGT KPTVKGWLT VKHGHSLVW CALVGKTFYY YRSHEDKRPL  
GCLPVQDAHI EEVDRSCDSD EDYEAGGTGR LLSSHCTLVI HPPEHSPTYL LIGTKHEKDT  
WLYHLTVAAG GSNKVGTVY EQLIGKLMDG EGNPDSPLWR HPMLCYSQEG LCASLTTLPS  
EALQTEALKL FKSCQLFINV PVEAASVDYH VSLAQ TALQV CLVHPELQSE IYCQLMKQIS  
CRPPQKYS LM QCWQLLALCA PLFLPQHHL WYVKQQLQRH ADPRSETGQY AIYCQRAVER  
TLQTGEREAR PSRMEVVSIL LRNPFHSLP FSIPVHFANG TYQVVGFDGS STVDEFLQRL  
NQETGMRKPS QSGFALFTDD PSGRDLEHCL QGRVKICDAI SKWEQTLKEL HPGKSEGGTR  
VVKLMYKNRL YFRSQVKGET ERERLLAFQ ASGEIVAGRF PVTKE LALEM AALMAQVEYG  
DLEKPTLPGP GGTPPTKAQH LLQQVLDRFY PRRYRNGAPP EQLRHLADMM ATKWAALQGC  
SPPECIRIYL TVARKWPLFG AKLFAAQAQ LSPKENTVVW IAVNEDGVSI LDHRTMQVNI  
TYPYSSVTTF GGCRDDFMLV IRSIPDQSSG KTRIDKLTFR MPAPKITETT LMMASYMNHC  
SATVNLSAKL PAARQPRDLG QQFFASVSCT KGSALL

**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

## 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:	PLEKHH1
Alternative Name:	Plekhh1 ( <a href="#">PLEKHH1 Products</a> )
Background:	Pleckstrin homology domain-containing family H member 1 (PH domain-containing family H member 1)
Molecular Weight:	150.9 kDa
UniProt:	<a href="#">Q80T11</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</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