

Datasheet for ABIN3136484

DEPDC1 Protein (AA 1-804) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	DEPDC1
Protein Characteristics:	AA 1-804
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DEPDC1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MERQGAPLGP YRATKLWNEV TTSFRVGMPL RKHRQHLLKKY SNCFTAVEAI DWLYDLLRSN</p> <p>SNFGPEVTRQ QTIQLLRKFL KNHVIEDIKG RWGSESLDDN NQLFRFPATS PLKTFPQRHT</p> <p>EIKKTNTEYF SKDKDGIFKL RNLSQKTSKK RGLHFSQENT EKINHERITN EDLEIAPDNQ</p> <p>EISQEDVEEV WRYVIMIYLQ TILSLPSIEE LLNPNQVIPQ YIMYNMANTS KHGVVILQDK</p> <p>SDDLPHWVLS AMKCLANWPR SNDTNNLTIV GFERDVFKTI ADYFLNLPEP LLTFEYYELF</p> <p>VNILVVCGYI TVSDRTSGIH KIQDDPRSSK IHDLSNLNSF KSTECLLLSL LYKDKSNEEL</p> <p>DSTKRLQRND QGFQERCAKK MQLDNLRNRR ASANDIMGGS CHNLIGLSNT NALSSNIKPR</p> <p>CSSLEGIVDR PVNSSEKKSS IFYQSVLNIE EQNSKQSLVS APKQTPLFNL HSDENAQQPH</p> <p>CVGFNRTSAL TVQDQEELCN EKYKSKQLCR SQSLLLRSST RQNSCINKPV AEIIMKPNVG</p> <p>QGSTSELGES STTINKRLCK STIELSEKSL PPAASVLTGT QSLLQPHLER VAINALQLCC</p> <p>LLLPPPNRRK LQLLMRMISR MSQNVDMPKL HEQIGTRSLM INTFSRCVLC CAEEVDLDEL</p>

LASRLVSFLM DHHQEILQVP TYLQAAVEKH LDYIKKGNVK NHGDGLVVPL PTYSYCKQIS
AKEFDEQKIS TSQAAIAELL ENIVRSKSL S LKEKRRKLKQ KEYPLIQKR FPTTESEAAL
FDDKPTIKQP MLNLRNPKLH SLRY

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!

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

Product Details

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

Target Details

Target:	DEPDC1
Alternative Name:	Depdc1a (DEPDC1 Products)
Background:	DEP domain-containing protein 1A,FUNCTION: May be involved in transcriptional regulation as a transcriptional corepressor. The DEPDC1A-ZNF224 complex may play a critical role in bladder carcinogenesis by repressing the transcription of the A20 gene, leading to transport of NF-KB protein into the nucleus, resulting in suppression of apoptosis of bladder cancer cells (By similarity). {ECO:0000250}.
Molecular Weight:	92.2 kDa
UniProt:	Q8CIG0

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 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!</p>
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